

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037291.D
 Acq On : 30 Jul 2021 19:14
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 22:51:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:49:48 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1210289	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3908781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3492163	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2550610	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	121200	0.601 ppbv	95
3) Chlorodifluoromethane	2.98	51	134840	0.570 ppbv	97
4) Chloromethane	3.13	50	45402	0.576 ppbv	89
5) Vinyl Chloride	3.25	62	44243	0.511 ppbv	90
6) Bromomethane	3.47	94	26926	0.522 ppbv	97
7) Chloroethane	3.55	64	15196	0.490 ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	119398	0.554 ppbv	96
9) Propene	3.01	41	47588	0.630 ppbv	95
10) Heptane	8.12	43	97375	0.530 ppbv	95
11) Trichlorofluoromethane	3.95	101	117868	0.530 ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	35062	0.222 ppbv #	1
13) Ethanol	3.61	45	2136	0.177 ppbv #	35
14) Bromoethene	3.74	108	18559	0.279 ppbv #	4
15) Acetone	3.86	43	61844	0.448 ppbv #	1
16) 1,3-Butadiene	3.32	39	18781	0.234 ppbv #	1
17) tert-Butyl alcohol	4.31	59	45489	0.361 ppbv #	75
18) 1,1-Dichloroethene	4.29	96	38049	0.541 ppbv	98
19) Isopropyl Alcohol	3.98	45	19457	0.236 ppbv #	92
20) Methylene Chloride	4.34	84	53281	0.618 ppbv	98
21) Allyl Chloride	4.41	41	39634	0.385 ppbv #	70
22) trans-1,2-Dichloroethene	4.89	96	33976	0.484 ppbv	92
23) Vinyl Acetate	5.08	43	84710	0.442 ppbv #	88
24) 1,1-Dichloroethane	5.01	63	70552	0.458 ppbv	96
25) Ethyl Acetate	5.69	43	161558	0.537 ppbv #	96
26) Hexane	5.69	57	88718	0.574 ppbv	95
27) Carbon Disulfide	4.55	76	52753	0.362 ppbv #	62
28) Methyl tert-Butyl Ether	5.05	73	92736	0.535 ppbv	100
29) Chloroform	5.75	83	56874	0.245 ppbv	90
30) Cyclohexane	7.13	84	60528	0.479 ppbv #	86
31) cis-1,2-Dichloroethene	5.55	61	71840	0.518 ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	117648	0.476 ppbv	99
34) 2-Butanone	5.26	43	83876	0.552 ppbv #	82
35) Carbon Tetrachloride	7.02	117	115909	0.446 ppbv	99
36) Benzene	6.89	78	165541	0.522 ppbv	99
37) 1,2-Dichloroethane	6.30	62	70071	0.386 ppbv #	91
38) Trichloroethene	7.84	130	72972	0.482 ppbv #	86
39) 1,2-Dichloropropane	7.62	63	29037	0.247 ppbv	92
41) Tetrahydrofuran	6.07	42	12067	0.171 ppbv #	34
42) Bromodichloromethane	7.80	83	106871	0.426 ppbv	99
43) Methyl Methacrylate	8.02	69	14823	0.136 ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	273797	0.514 ppbv	97

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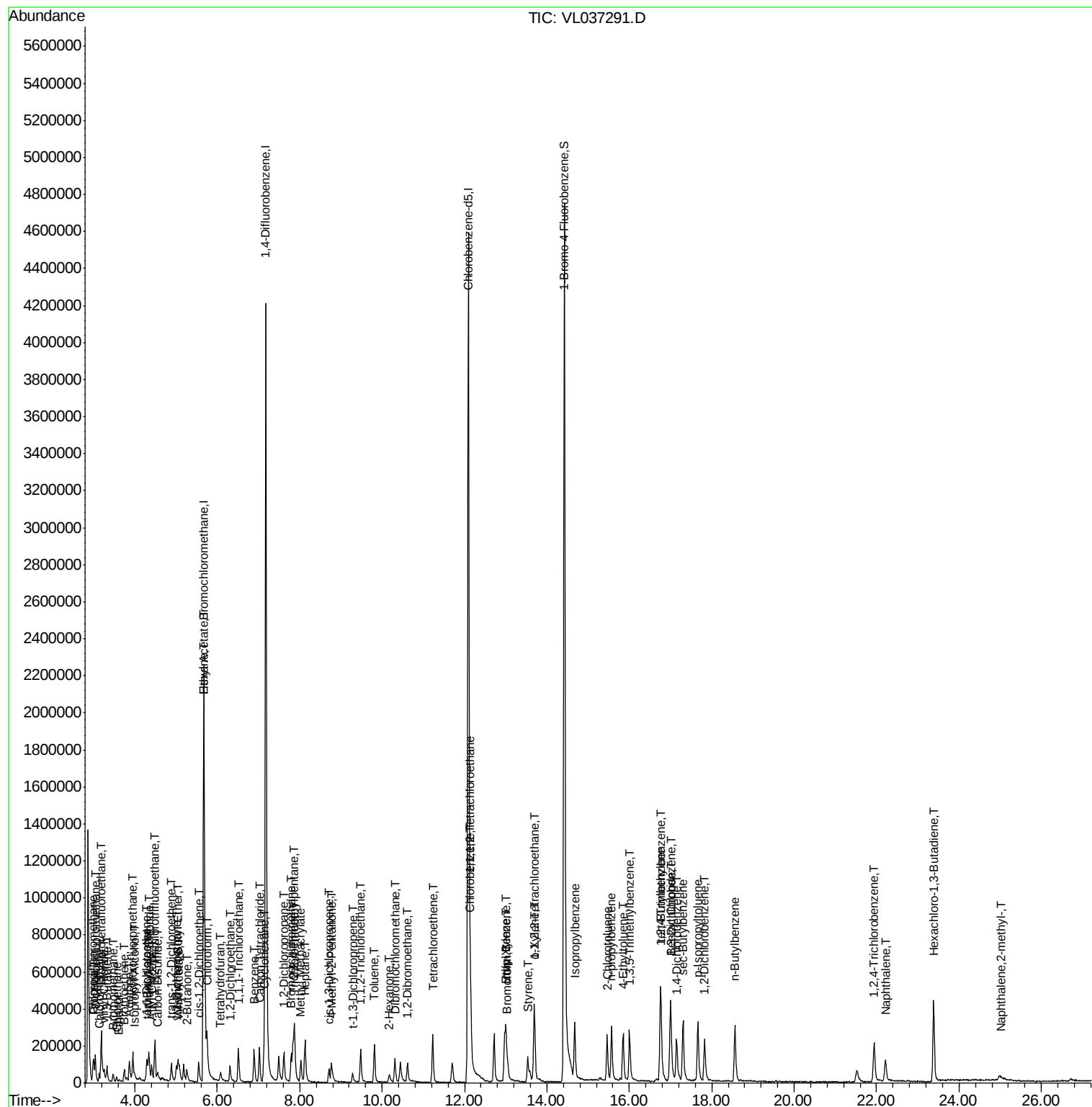
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.28	75	16432	0.173	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	45858	0.352	ppbv	90
47) 1,1,2-Trichloroethane	9.48	97	62635	0.466	ppbv	95
48) Dibromochloromethane	10.31	129	50773	0.240	ppbv #	42
49) Bromoform	13.05	173	55926	0.350	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	83269	0.403	ppbv	90
51) 2-Hexanone	10.16	43	13983	0.139	ppbv #	1
52) Tetrachloroethene	11.23	164	53081	0.360	ppbv	95
53) Toluene	9.81	91	98353	0.259	ppbv #	21
54) 1,2-Dibromoethane	10.62	107	91714	0.475	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	77656	0.512	ppbv #	1
57) Chlorobenzene	12.15	112	156493	0.552	ppbv	96
58) Ethyl Benzene	12.99	91	54213	0.113	ppbv	94
59) m/p-Xylene	13.00	91	189744	0.468	ppbv #	14
60) o-Xylene	13.70	91	209196	0.541	ppbv	99
61) Styrene	13.54	104	86052	0.432	ppbv	93
62) Isopropylbenzene	14.67	105	180131	0.327	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.68	83	128531	0.495	ppbv	90
64) n-propylbenzene	15.57	120	37566	0.271	ppbv #	1
65) tert-Butylbenzene	16.76	119	265337	0.539	ppbv	92
66) Benzyl Chloride	17.00	91	2116	0.093	ppbv #	1
67) sec-Butylbenzene	17.30	105	349577	0.532	ppbv	99
69) p-Isopropyltoluene	17.66	119	282774	0.509	ppbv	96
70) n-Butylbenzene	18.56	91	151859	0.295	ppbv #	49
71) 2-Chlorotoluene	15.46	91	102832	0.266	ppbv #	43
72) 4-Ethyltoluene	15.85	105	225700	0.507	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	215897	0.504	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	247340	0.561	ppbv #	85
75) 1,3-Dichlorobenzene	17.00	146	142554	0.527	ppbv	92
76) 1,4-Dichlorobenzene	17.15	146	126999	0.467	ppbv	86
77) 1,2-Dichlorobenzene	17.82	146	139034	0.530	ppbv	94
78) Hexachloro-1,3-Butadiene	23.39	225	68045	0.309	ppbv #	38
79) Naphthalene	22.22	128	156700	0.441	ppbv	95
80) Naphthalene,2-methyl-	25.01	142	40697	0.439	ppbv #	78
81) 1,2,4-Trichlorobenzene	21.94	180	70580	0.339	ppbv #	15

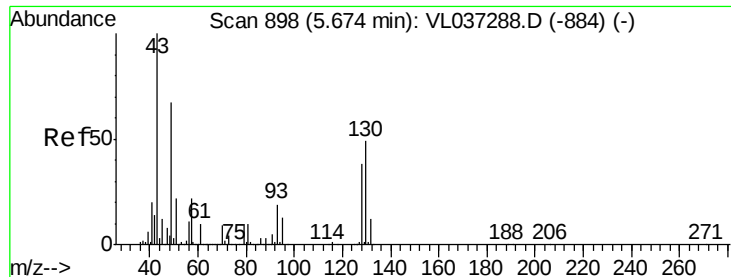
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

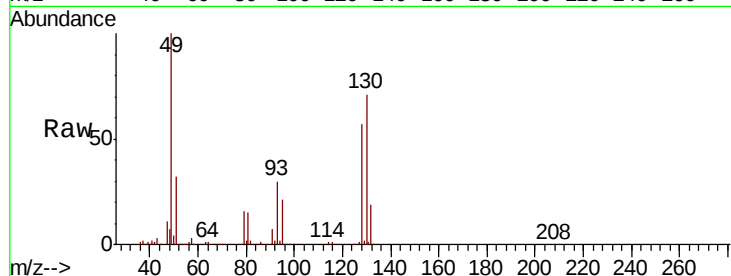
Tot Ion: 49 Resp: 1210289

Ion Ratio Lower Upper

49 100

128 61.8 30.6 92.0

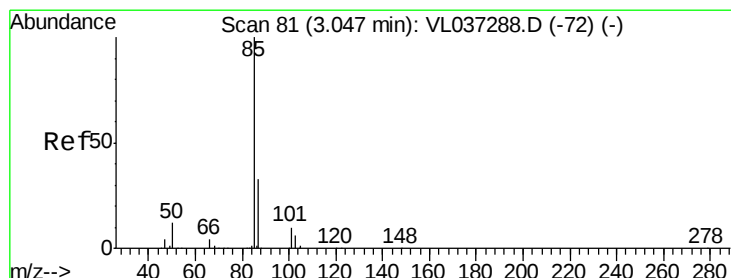
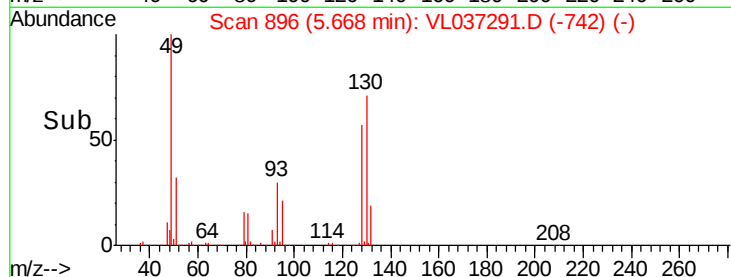
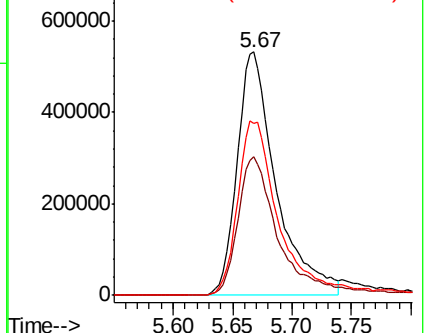
130 77.7 37.8 113.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.601 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037291.D

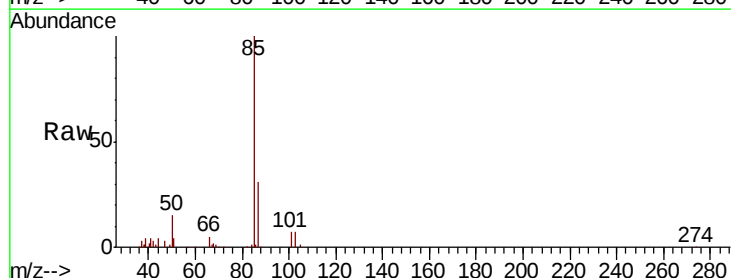
Acq: 30 Jul 2021 19:14

Tgt Ion: 85 Resp: 121200

Ion Ratio Lower Upper

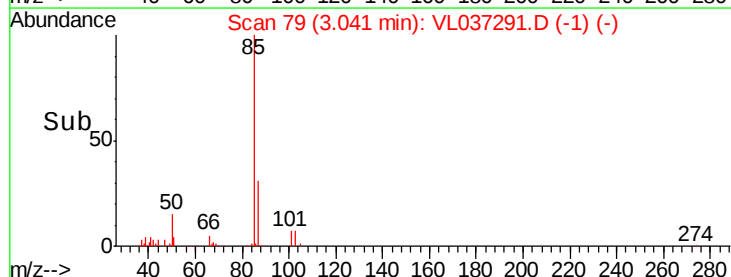
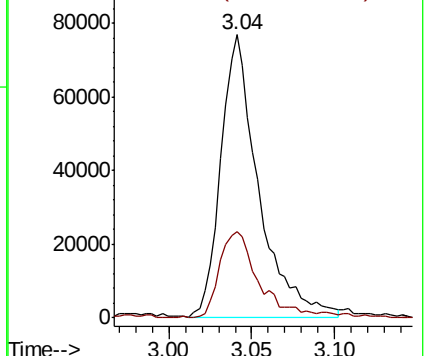
85 100

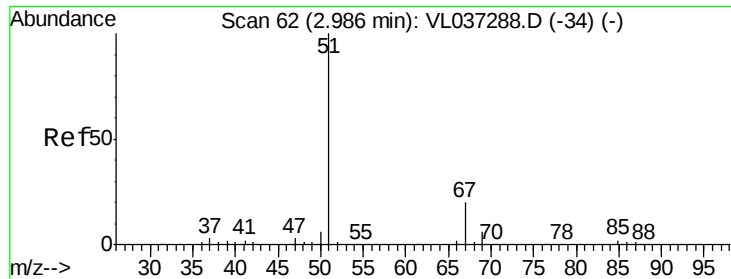
87 30.5 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

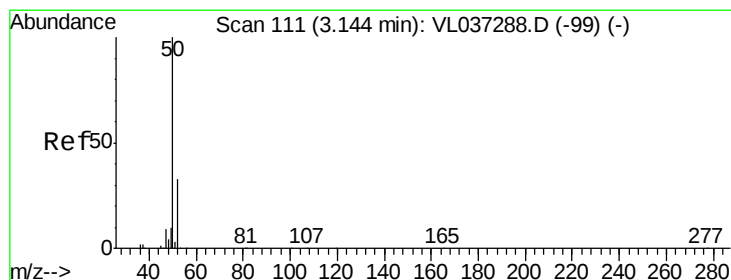
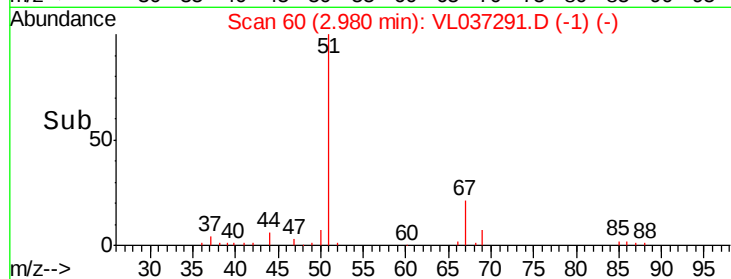
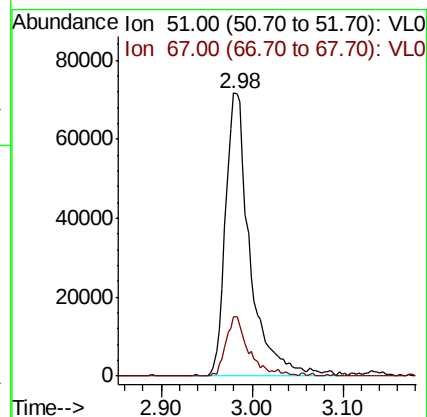
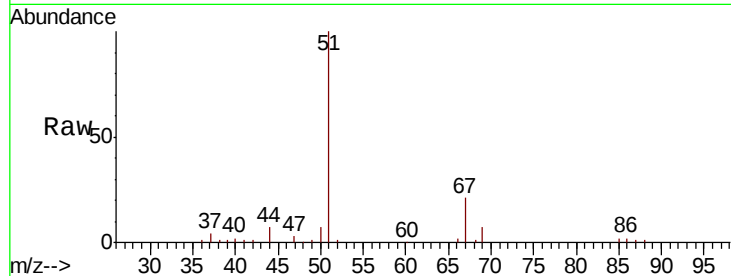




#3
 Chlorodifluoromethane
 Concen: 0.570 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

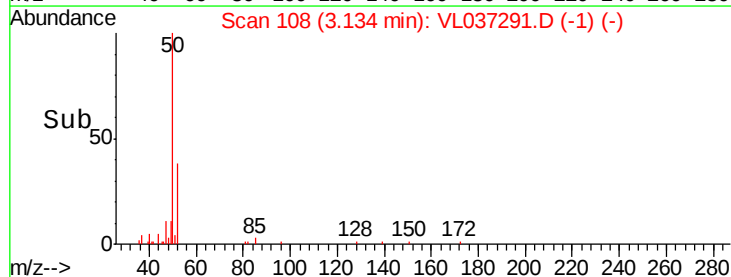
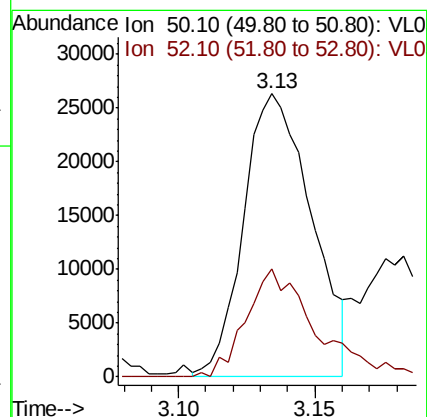
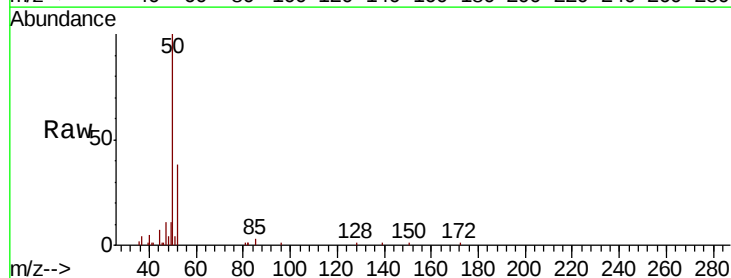
Instrument :
 MSVOA_L
 ClientSampleId :

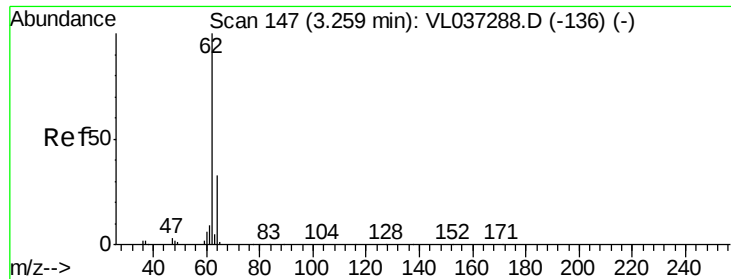
Tot Ion: 51 Resp: 134840
 Ion Ratio Lower Upper
 51 100
 67 20.2 15.2 22.8



#4
 Chloromethane
 Concen: 0.576 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion: 50 Resp: 45402
 Ion Ratio Lower Upper
 50 100
 52 38.8 26.2 39.4





#5

Vinyl Chloride

Concen: 0.511 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

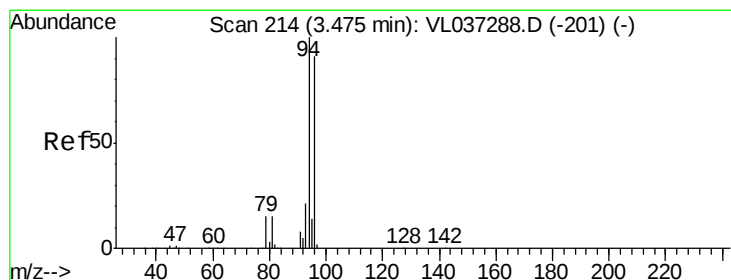
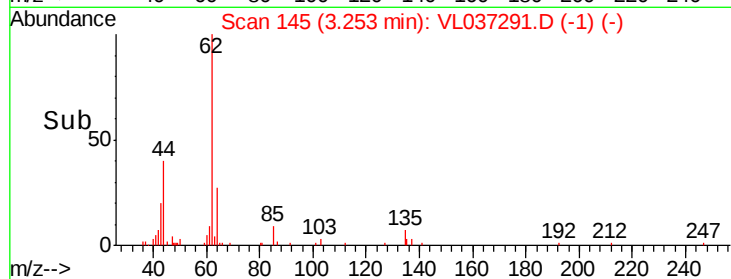
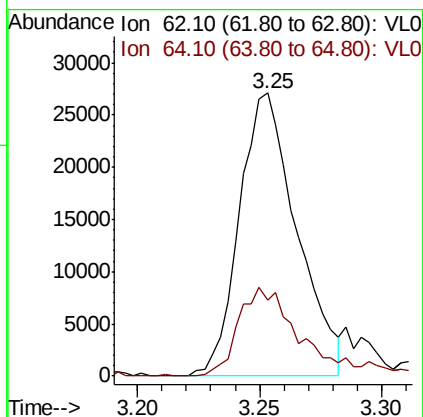
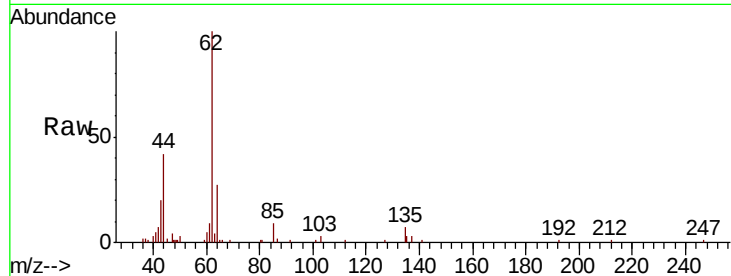
ClientSampled :

Tot Ion: 62 Resp: 44243

Ion Ratio Lower Upper

62 100

64 26.9 26.1 39.1



#6

Bromomethane

Concen: 0.522 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037291.D

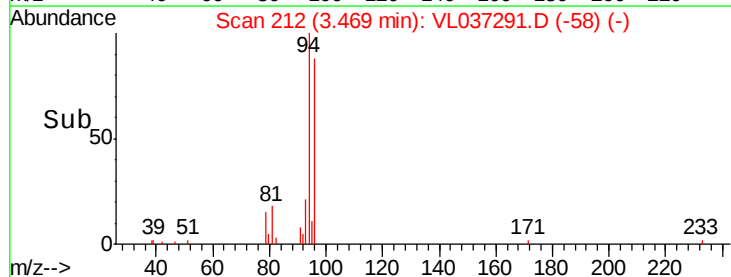
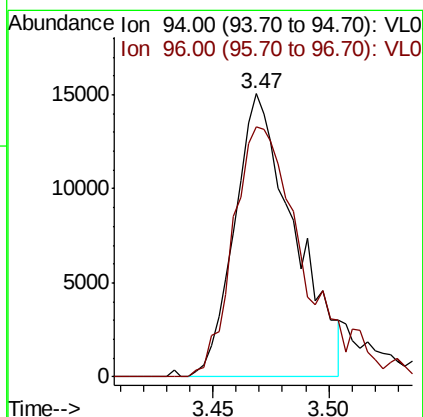
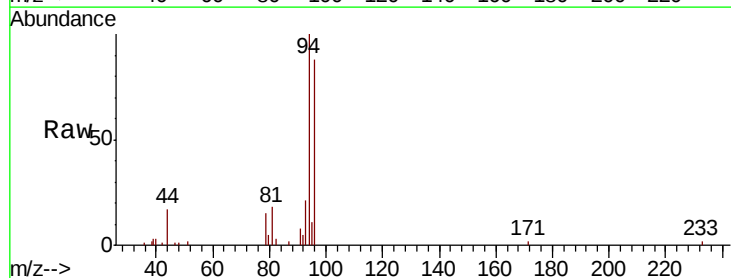
Acq: 30 Jul 2021 19:14

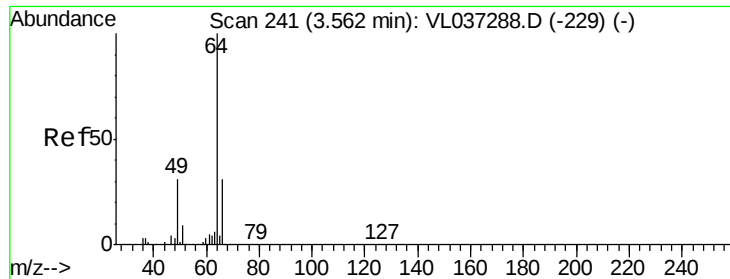
Tgt Ion: 94 Resp: 26926

Ion Ratio Lower Upper

94 100

96 88.4 72.7 109.1





#7

Chloroethane

Concen: 0.490 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

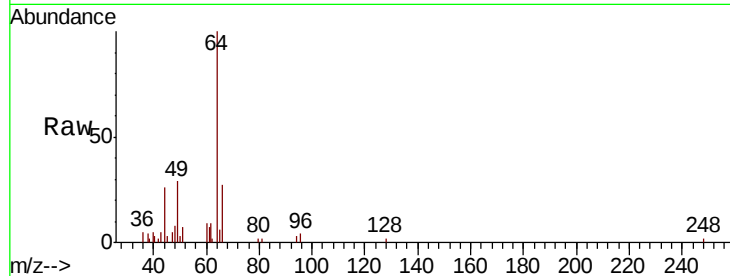
ClientSampled :

Tot Ion: 64 Resp: 15196

Ion Ratio Lower Upper

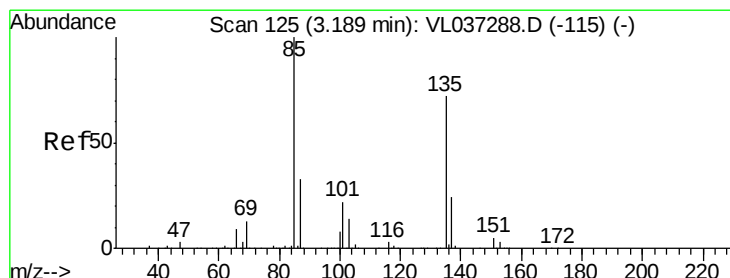
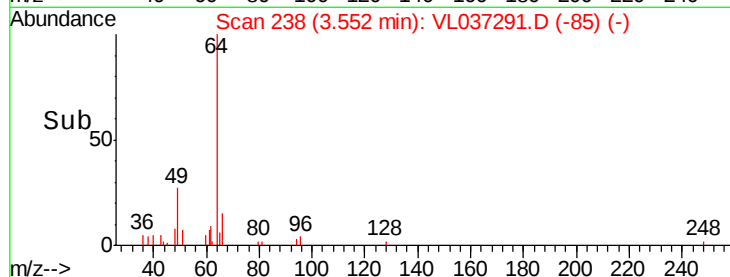
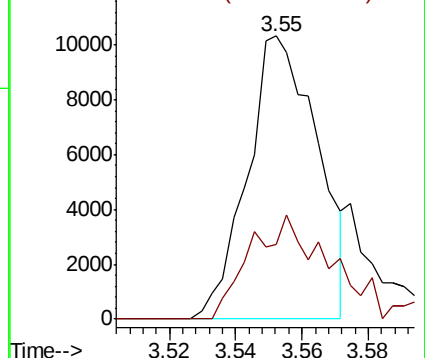
64 100

66 26.5 24.9 37.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.554 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037291.D

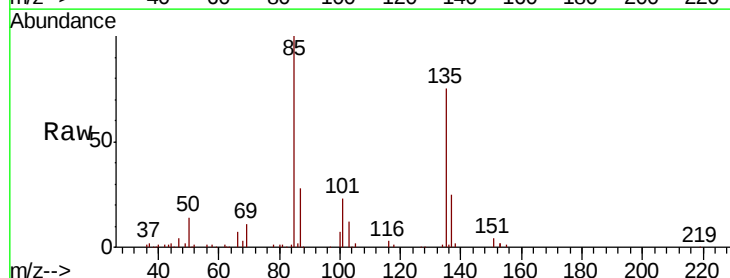
Acq: 30 Jul 2021 19:14

Tgt Ion: 85 Resp: 119398

Ion Ratio Lower Upper

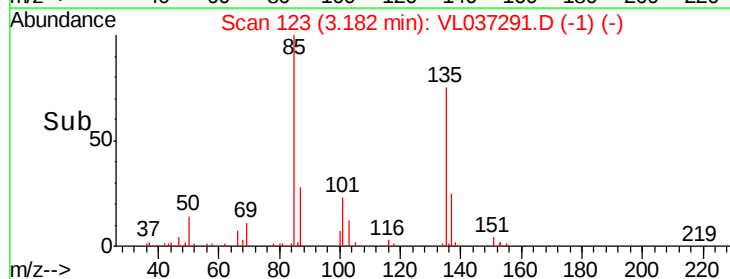
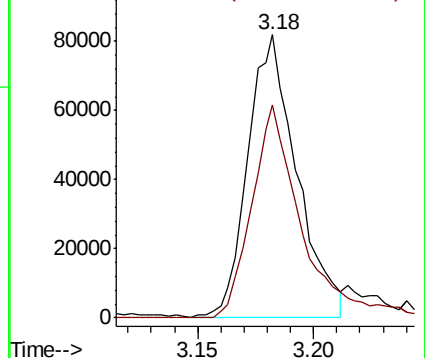
85 100

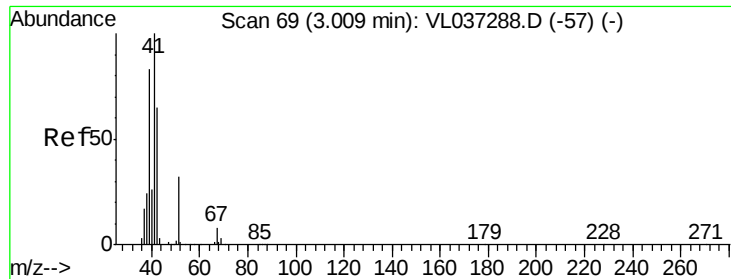
135 79.6 61.0 91.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.630 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037291.D

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Instrument :

MSVOA_L

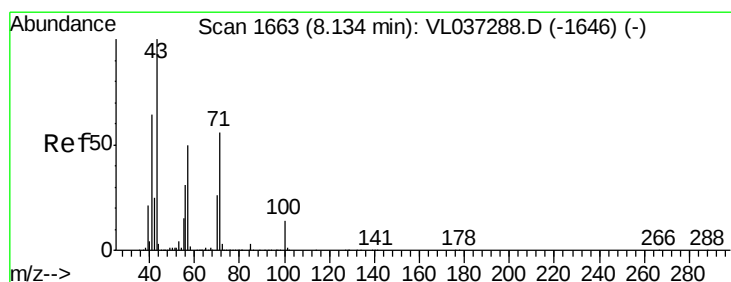
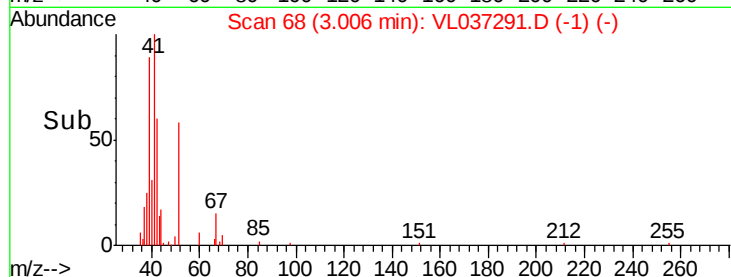
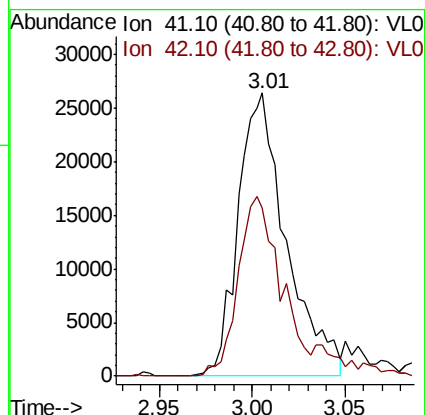
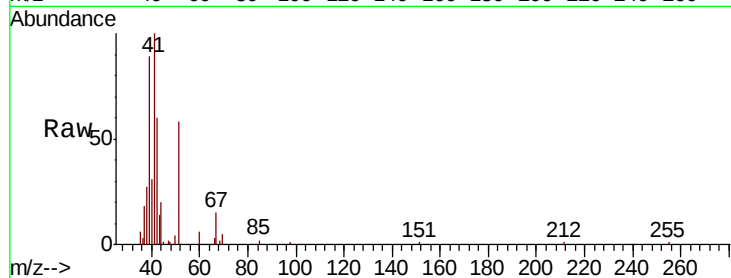
ClientSampleId :

Tot Ion: 41 Resp: 47588

Ion Ratio Lower Upper

41 100

42 63.7 54.0 81.0



#10

Heptane

Concen: 0.530 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL037291.D

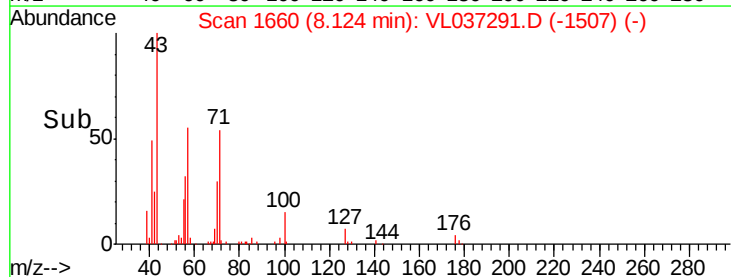
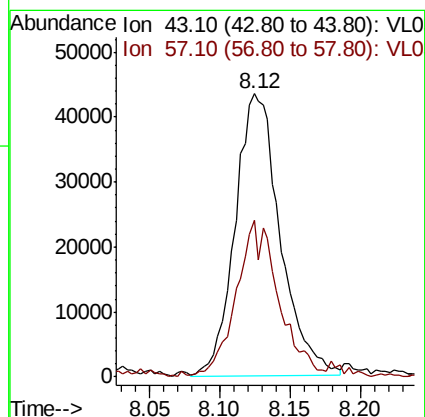
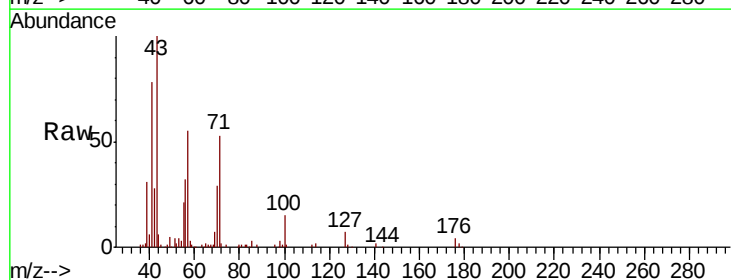
Acq: 30 Jul 2021 19:14

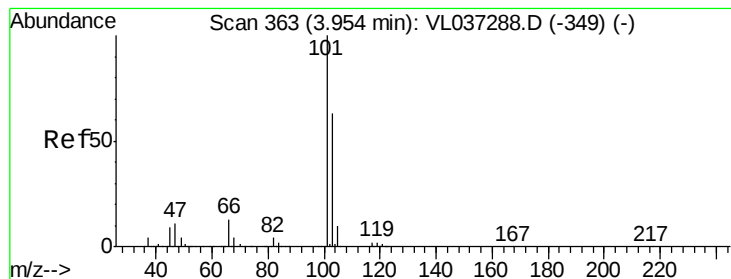
Tgt Ion: 43 Resp: 97375

Ion Ratio Lower Upper

43 100

57 54.8 40.9 61.3





#11

Trichlorofluoromethane

Concen: 0.530 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

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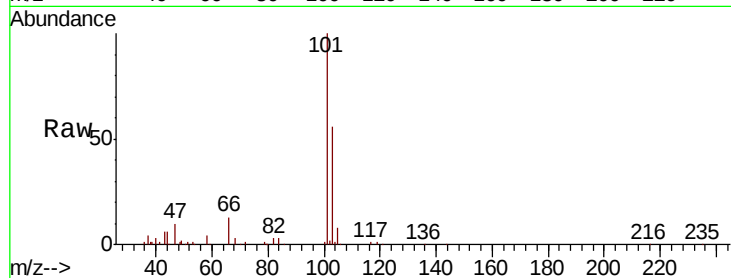
ClientSampleId :

Tot Ion:101 Resp: 117868

Ion Ratio Lower Upper

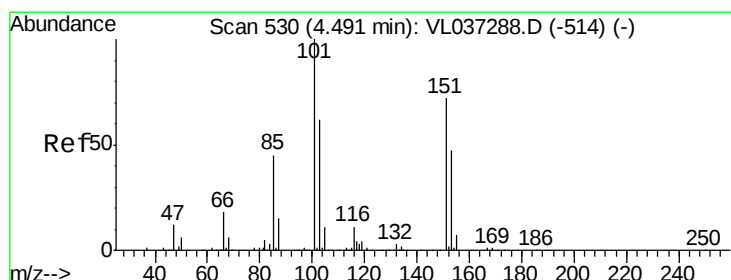
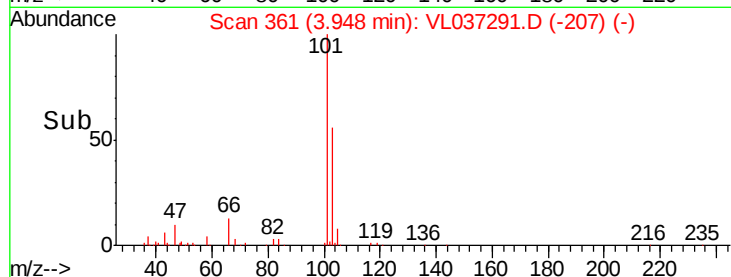
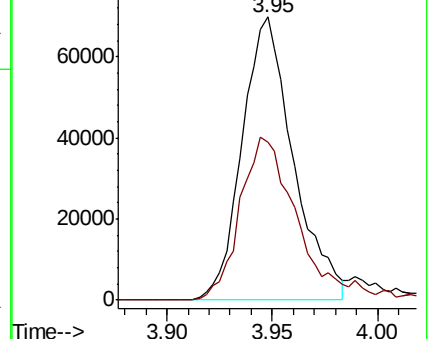
101 100

103 56.0 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.222 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037291.D

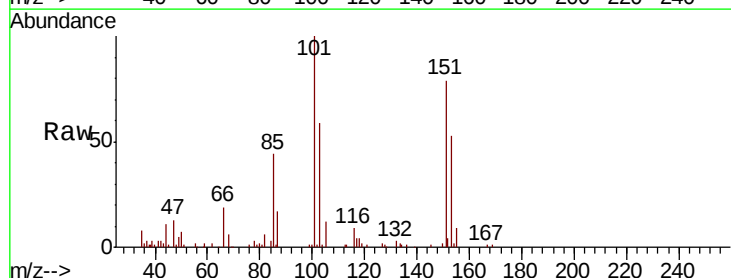
Acq: 30 Jul 2021 19:14

Tgt Ion:101 Resp: 35062

Ion Ratio Lower Upper

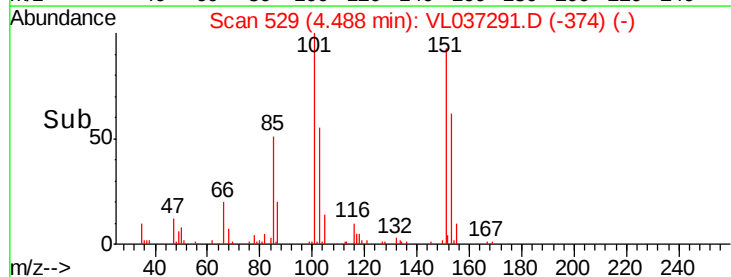
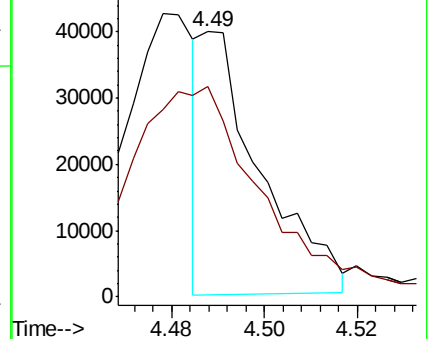
101 100

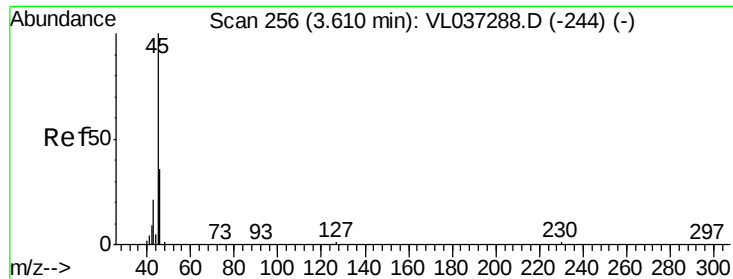
151 192.8 61.4 92.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

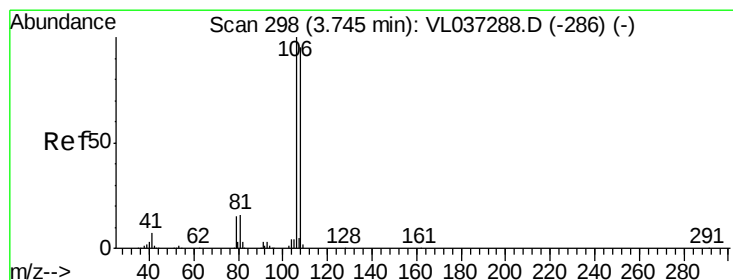
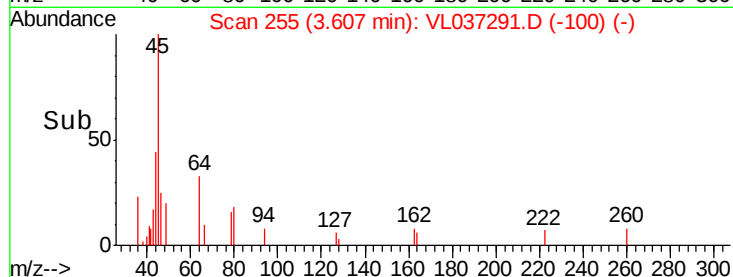
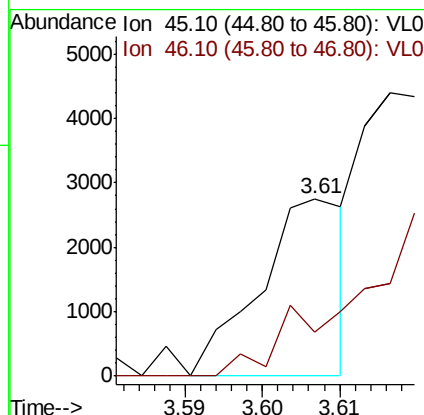
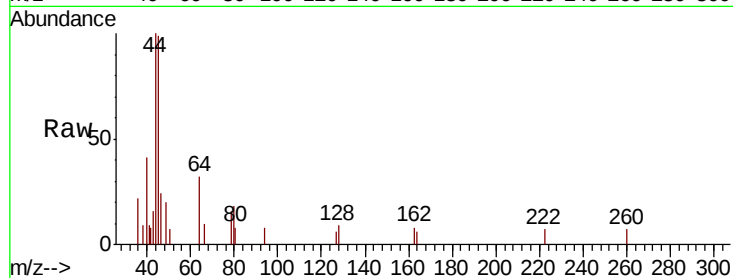




#13
Ethanol
Concen: 0.177 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

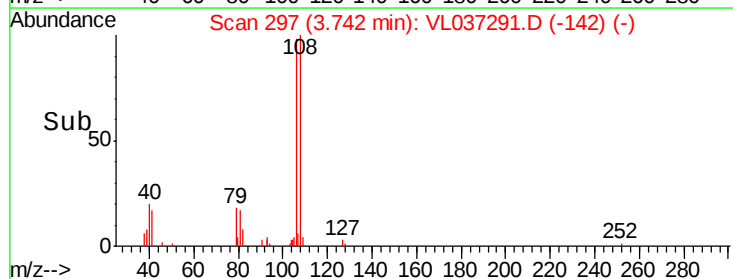
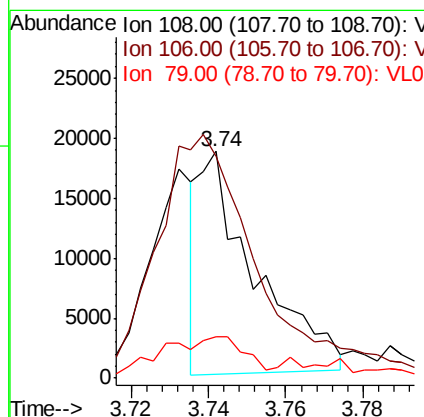
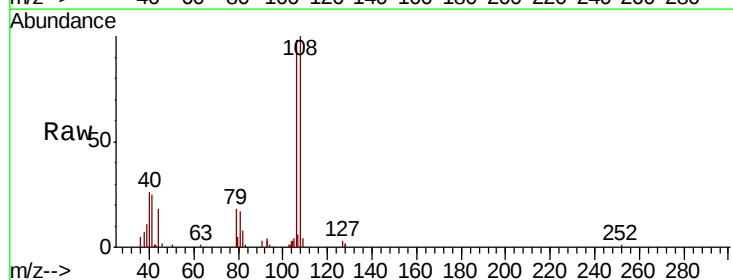
Instrument :
MSVOA_L
ClientSampleId :

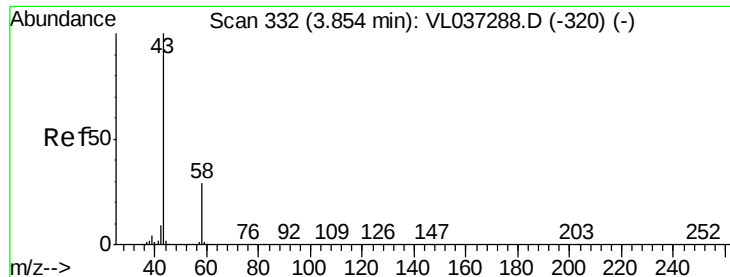
Tot Ion: 45 Resp: 2136
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8#



#14
Bromoethene
Concen: 0.279 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 108 Resp: 18559
Ion Ratio Lower Upper
108 100
106 210.6 86.2 129.2#
79 51.0 13.3 19.9#





#15

Acetone

Concen: 0.448 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

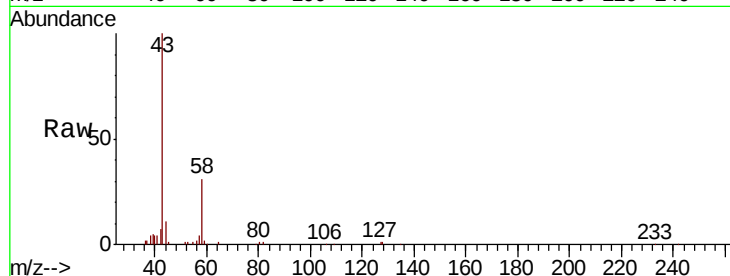
ClientSampleId :

Tot Ion: 43 Resp: 61844

Ion Ratio Lower Upper

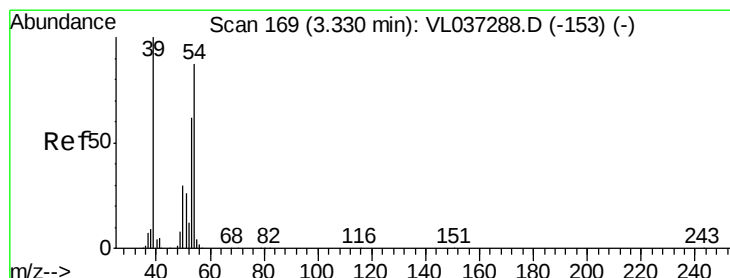
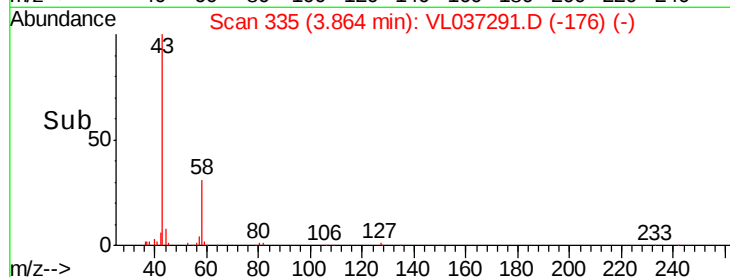
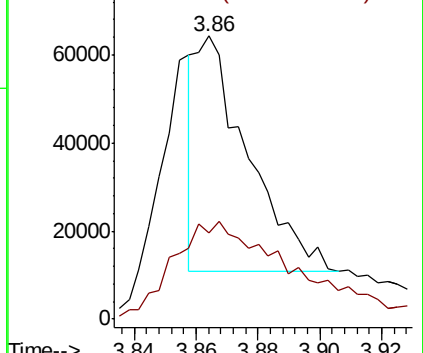
43 100

58 113.2 24.2 36.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.234 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037291.D

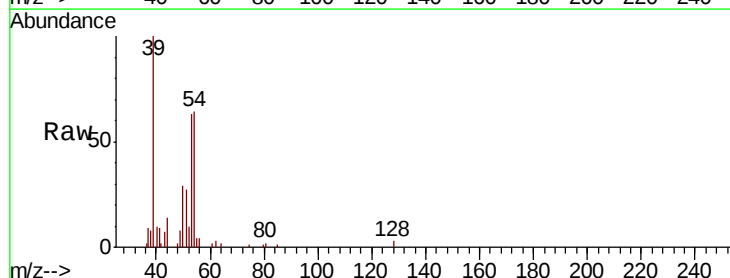
Acq: 30 Jul 2021 19:14

Tgt Ion: 39 Resp: 18781

Ion Ratio Lower Upper

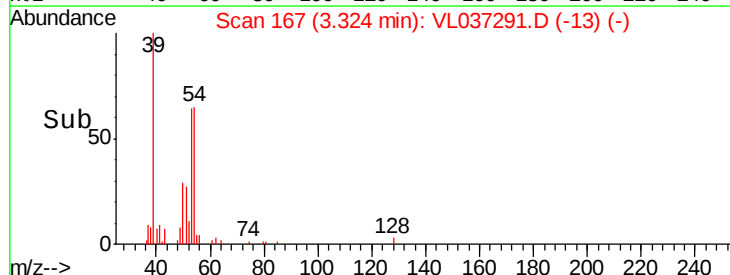
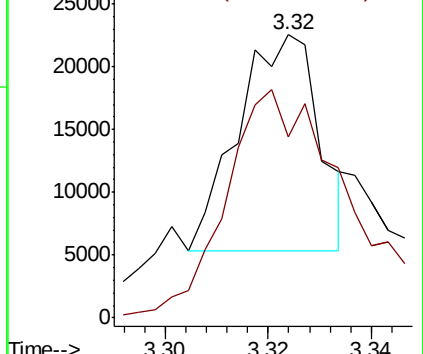
39 100

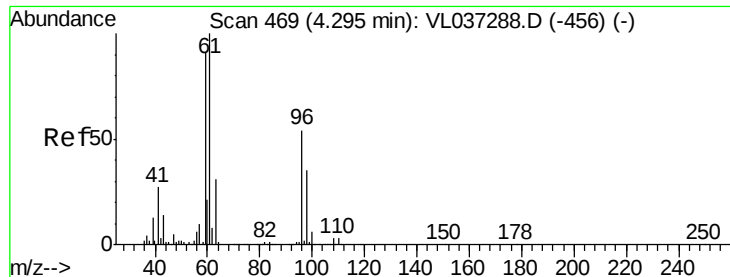
54 187.7 63.9 95.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



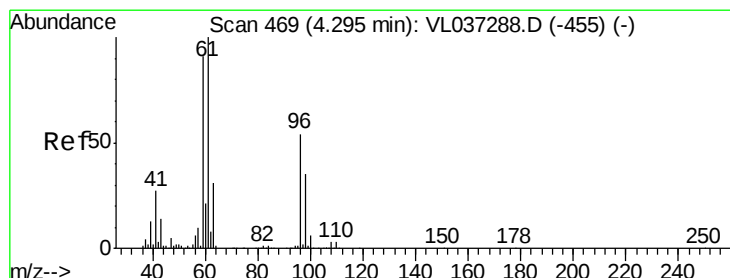
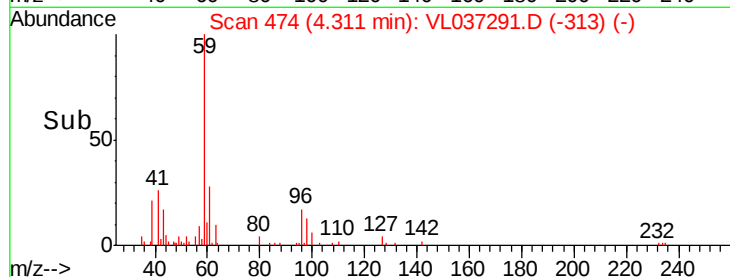
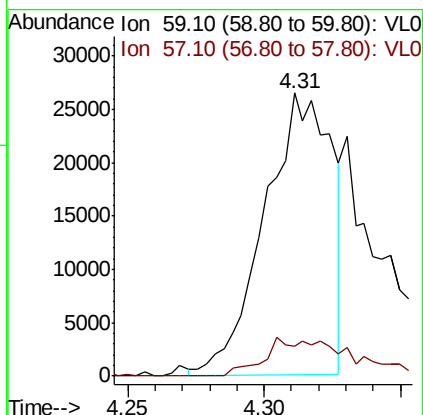
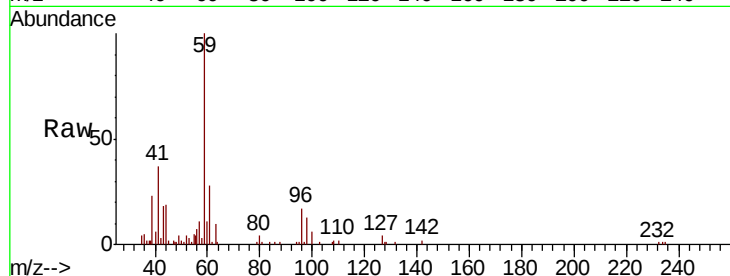


#17

tert-Butyl alcohol
 Concen: 0.361 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.02 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Instrument :
 MSVOA_L
 ClientSampled :

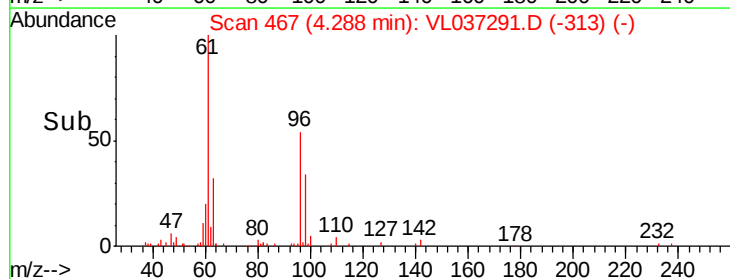
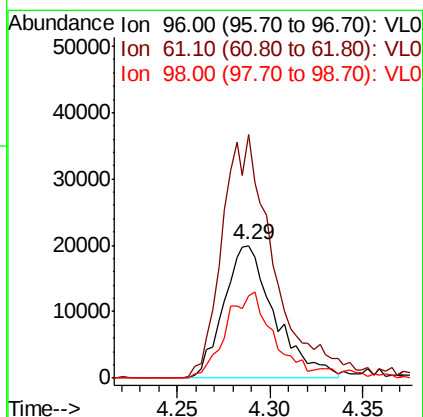
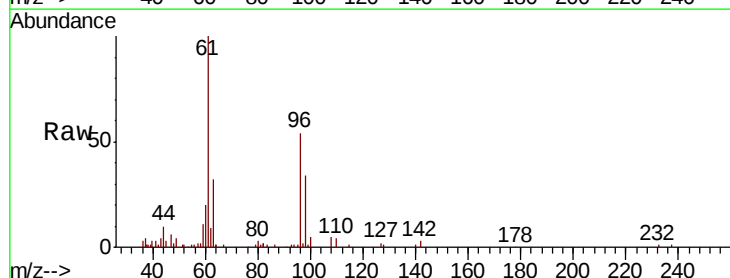
Tot Ion: 59 Resp: 45489
 Ion Ratio Lower Upper
 59 100
 57 20.2 8.6 13.0#

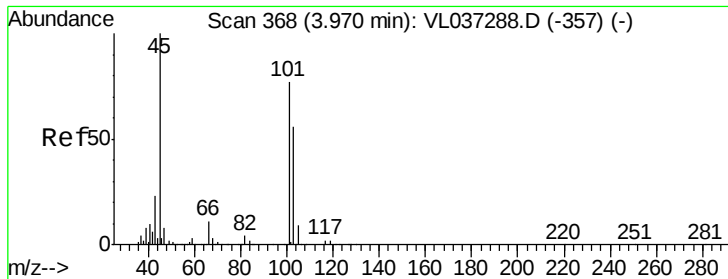


#18

1,1-Dichloroethene
 Concen: 0.541 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion: 96 Resp: 38049
 Ion Ratio Lower Upper
 96 100
 61 182.5 148.3 222.5
 98 61.9 51.4 77.0





#19

Isopropyl Alcohol

Concen: 0.236 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

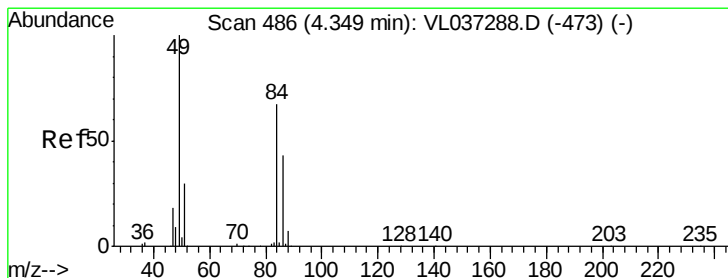
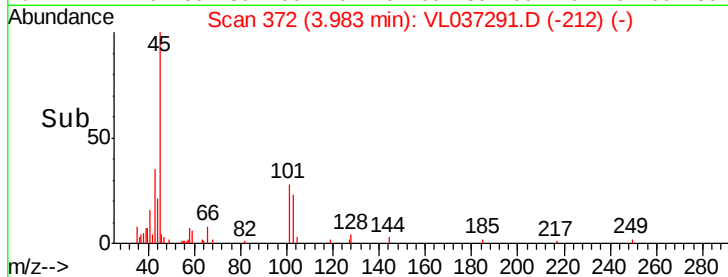
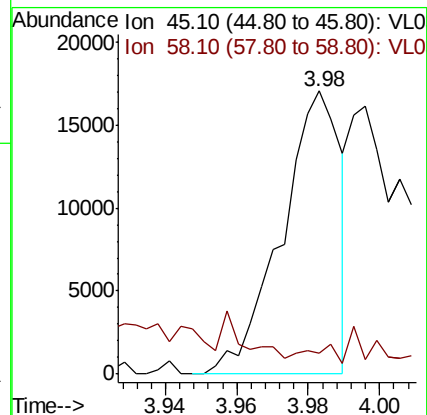
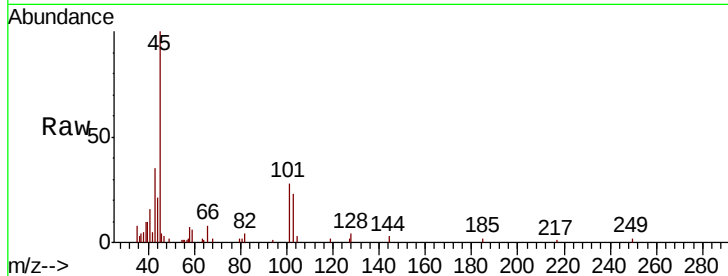
ClientSampleId :

Tot Ion: 45 Resp: 19457

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#



#20

Methylene Chloride

Concen: 0.618 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Tgt Ion: 84 Resp: 53281

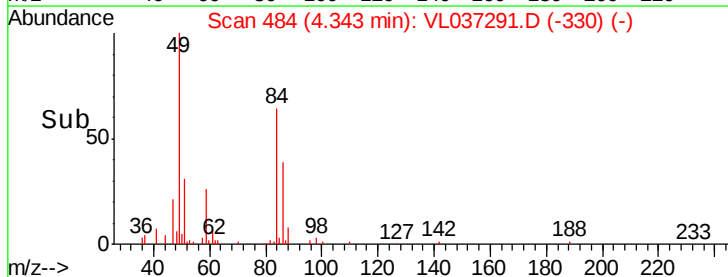
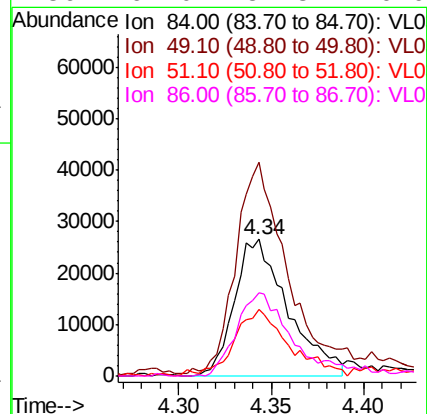
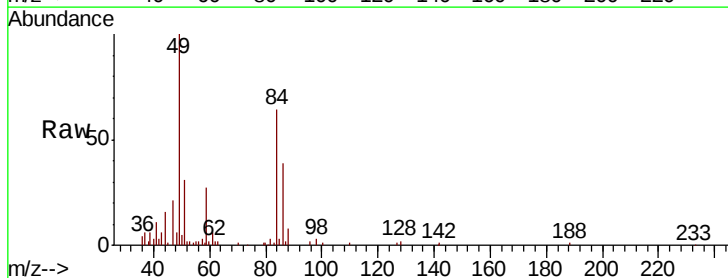
Ion Ratio Lower Upper

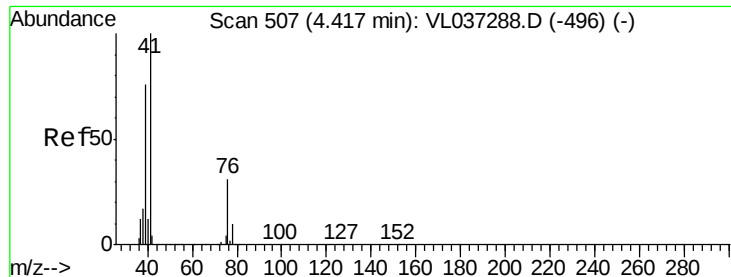
84 100

49 148.2 120.2 180.4

51 45.9 36.5 54.7

86 61.0 51.3 76.9





#21

Allvl Chloride

Concen: 0.385 ppbv

RT: 4.41 min Scan# 505

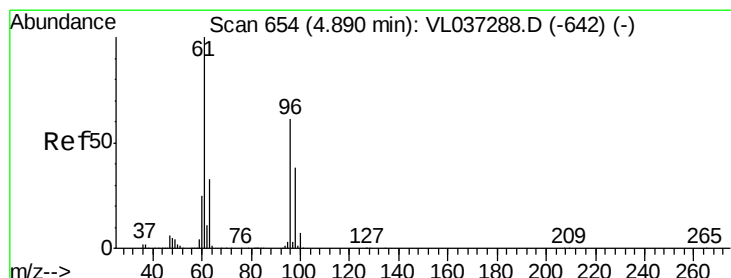
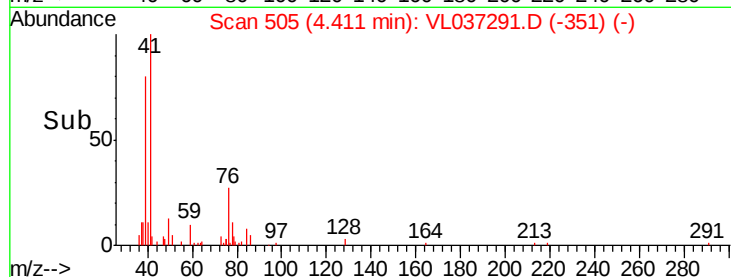
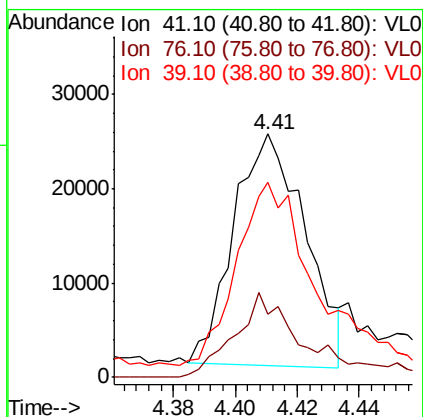
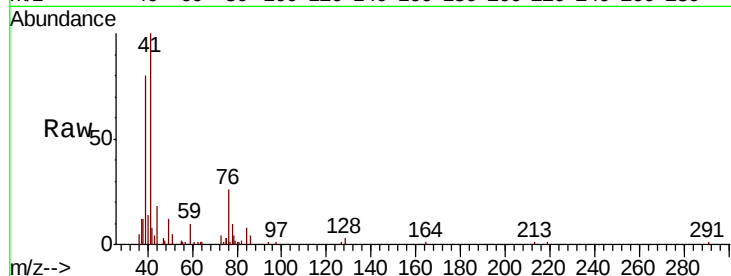
Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	41	Resp:	39634
Ion	Ratio	Lower	Upper
41	100		
76	37.6	24.7	37.1#
39	113.8	64.5	96.7#



#22

trans-1,2-Dichloroethene

Concen: 0.484 ppbv

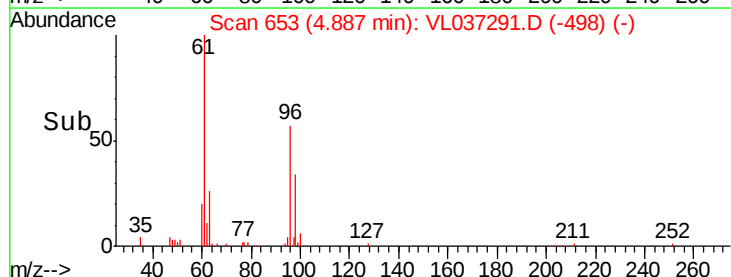
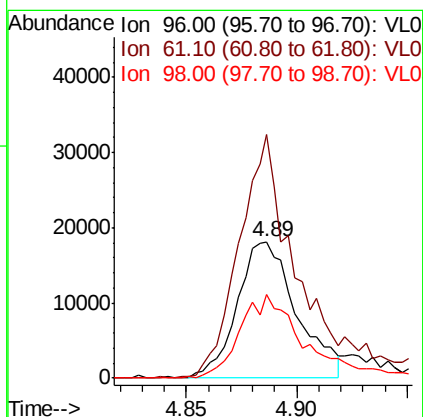
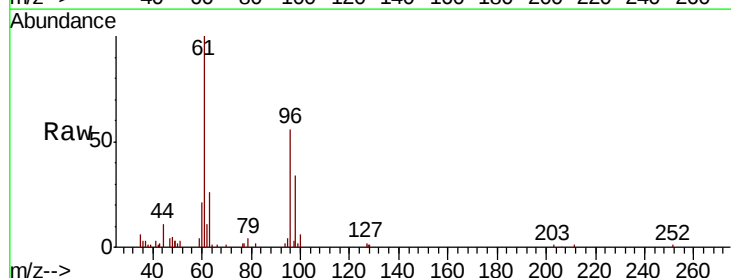
RT: 4.89 min Scan# 653

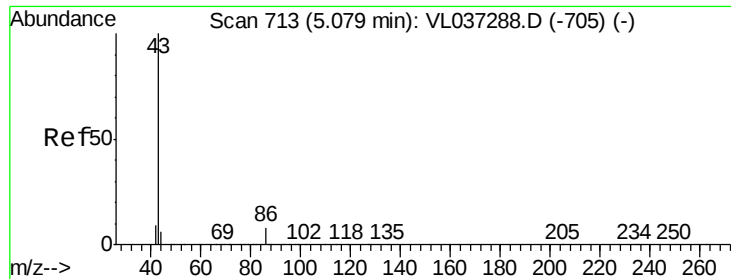
Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Tgt Ion:	96	Resp:	33976
Ion	Ratio	Lower	Upper
96	100		
61	177.8	131.1	196.7
98	60.1	49.9	74.9





#23

Vinyl Acetate

Concen: 0.442 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 84710

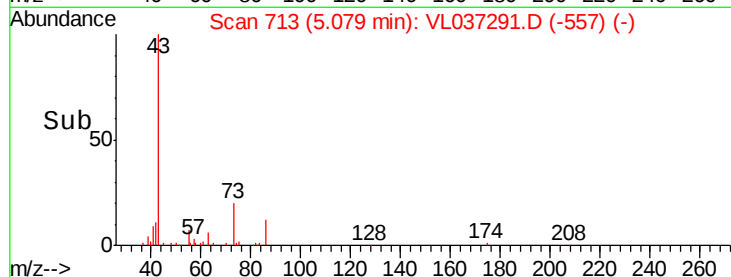
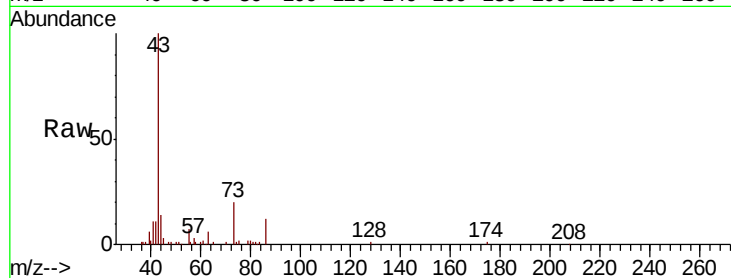
Ion Ratio Lower Upper

43 100

86 15.0 5.7 8.5#

42 8.3 8.1 12.1

44 8.2 4.1 6.1#

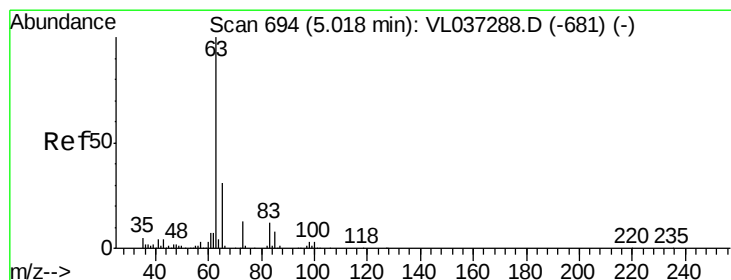
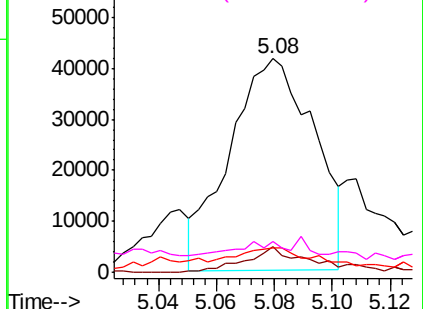


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.458 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

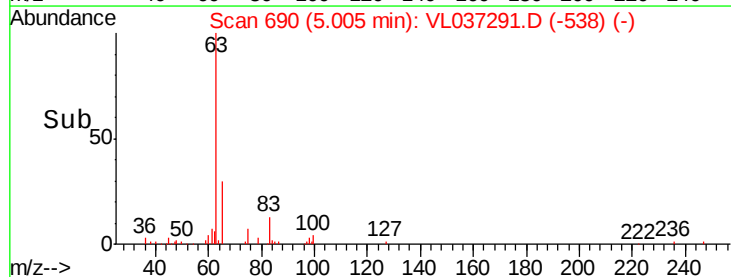
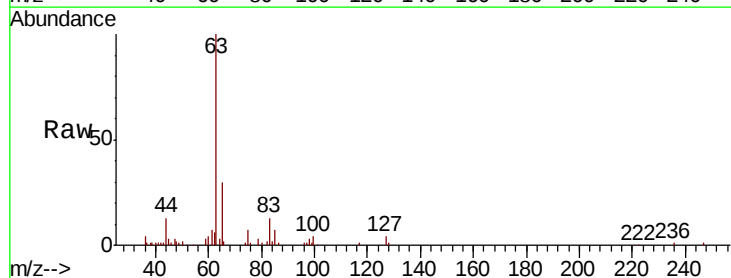
Tgt Ion: 63 Resp: 70552

Ion Ratio Lower Upper

63 100

98 2.0 2.0 5.8

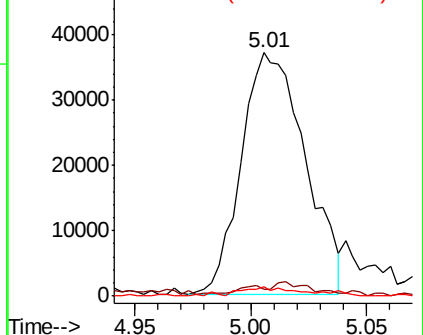
100 3.2 1.4 4.2

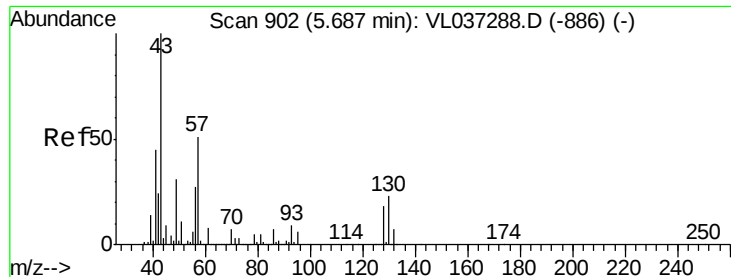


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.537 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL037291.D

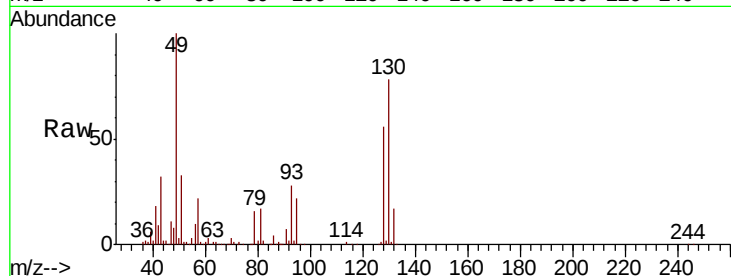
Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 161558

Ion Ratio Lower Upper

43	100		
45	9.6	7.4	11.2
61	13.4	7.8	11.6#
70	6.6	5.4	8.2

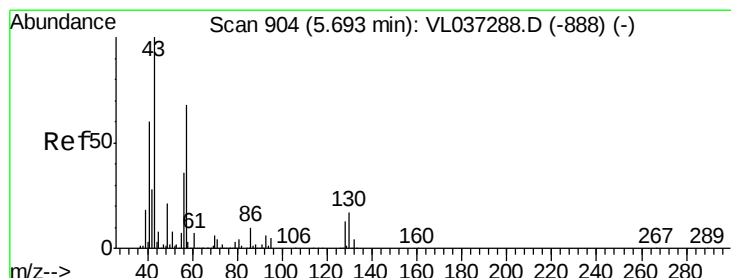
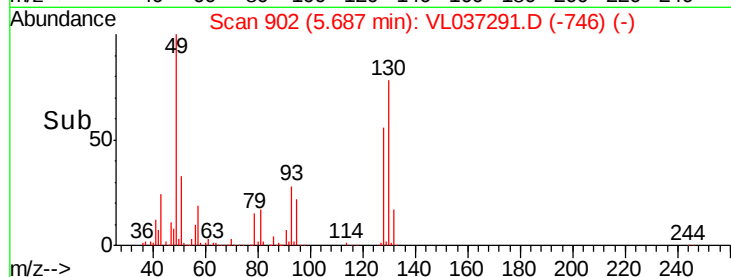
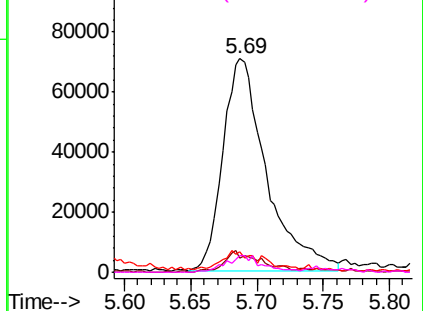


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.574 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Tgt Ion: 57 Resp: 88718

Ion Ratio Lower Upper

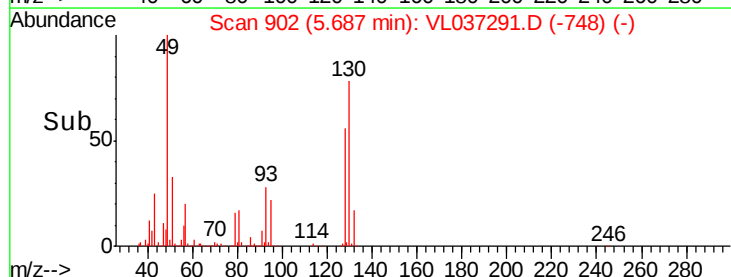
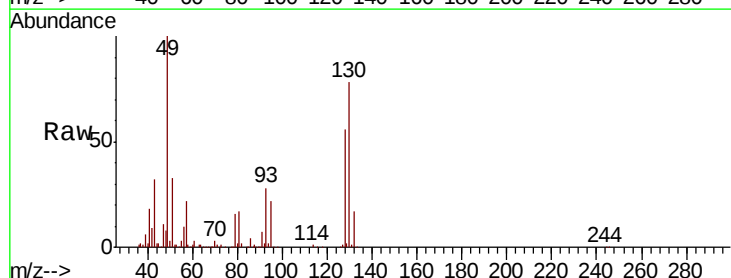
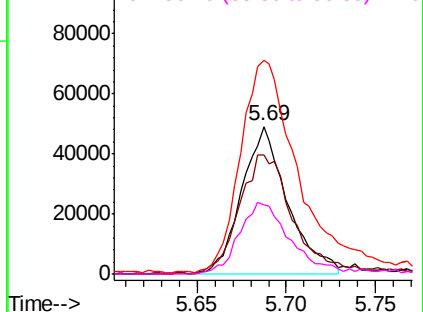
57	100		
41	98.3	71.0	106.6
43	189.1	155.0	232.4
56	56.7	42.0	63.0

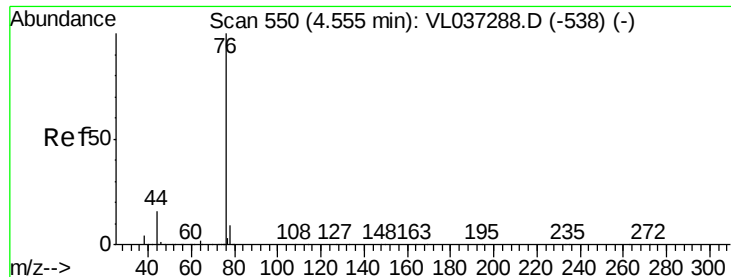
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.362 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

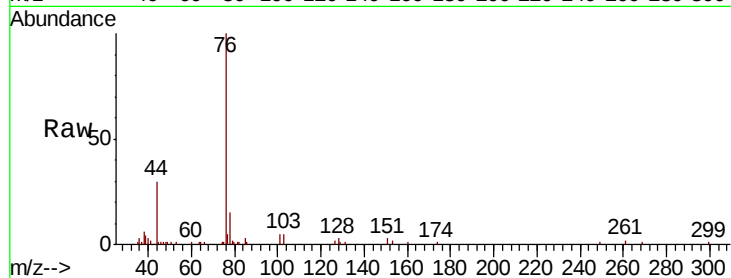
Tot Ion: 76 Resp: 52753

Ion Ratio Lower Upper

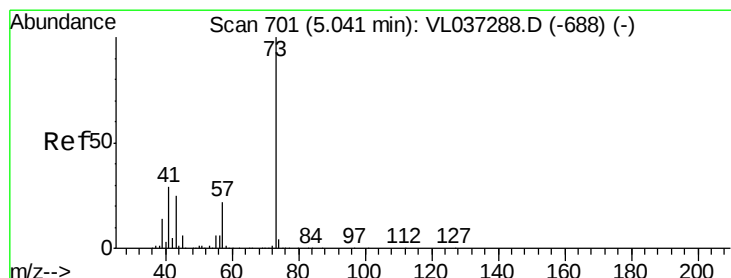
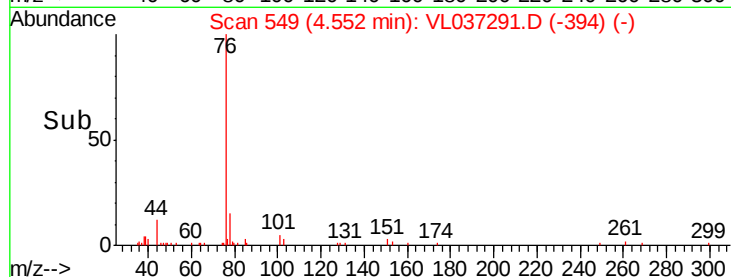
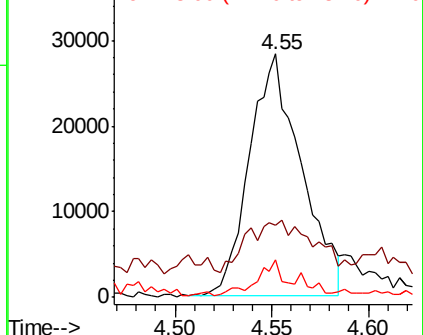
76 100

44 41.4 14.1 21.1#

78 13.4 8.0 12.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.535 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL037291.D

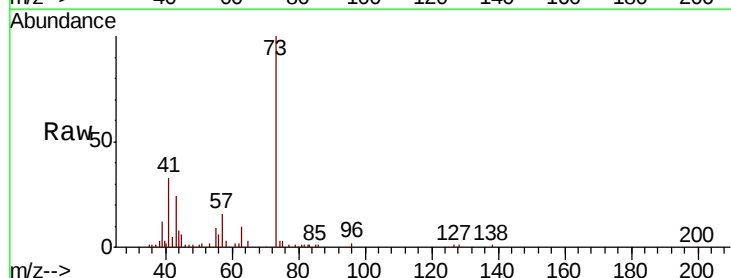
Acq: 30 Jul 2021 19:14

Tgt Ion: 73 Resp: 92736

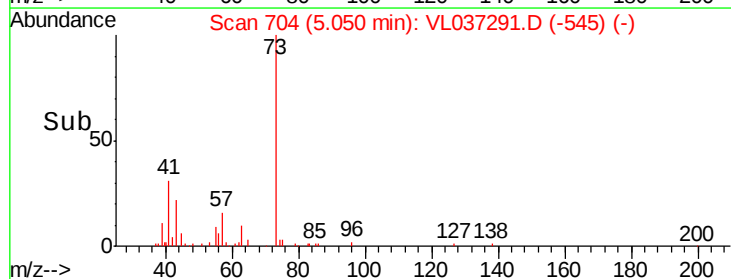
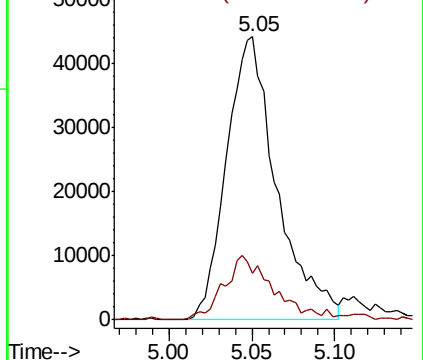
Ion Ratio Lower Upper

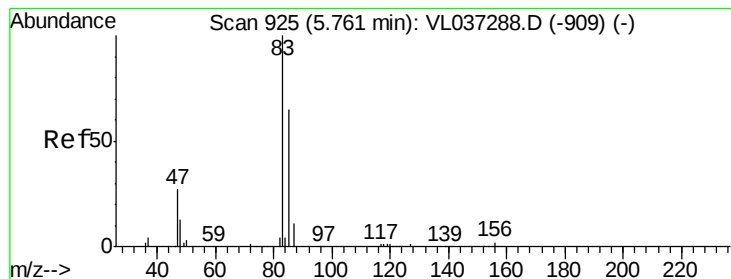
73 100

57 23.8 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.245 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

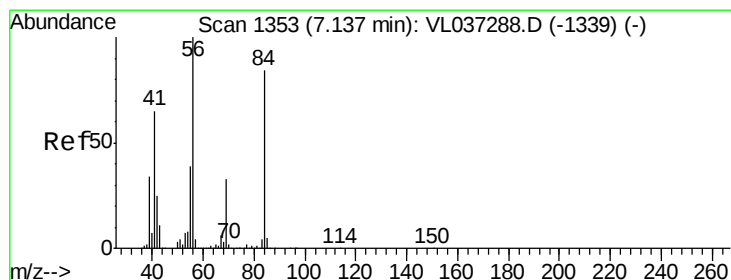
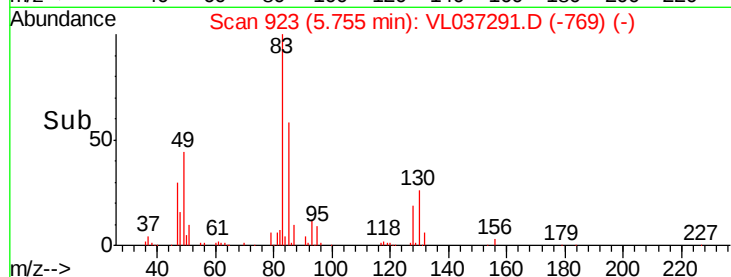
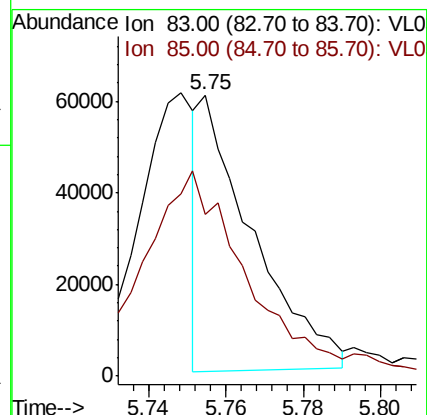
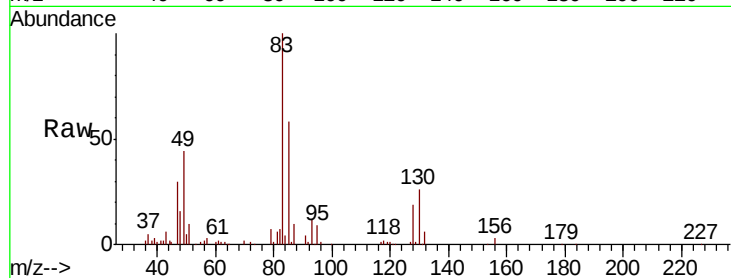
ClientSampleId :

Tot Ion: 83 Resp: 56874

Ion Ratio Lower Upper

83 100

85 56.7 51.9 77.9



#30

Cyclohexane

Concen: 0.479 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

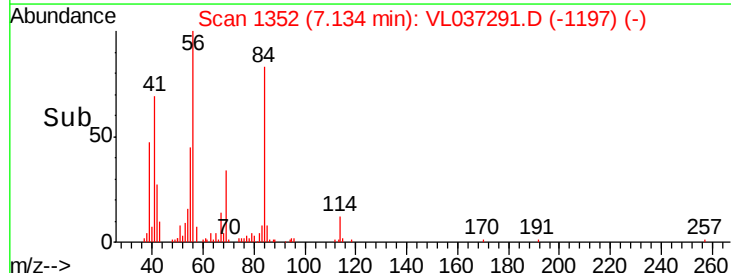
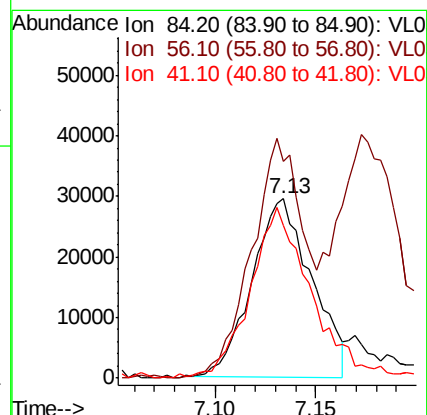
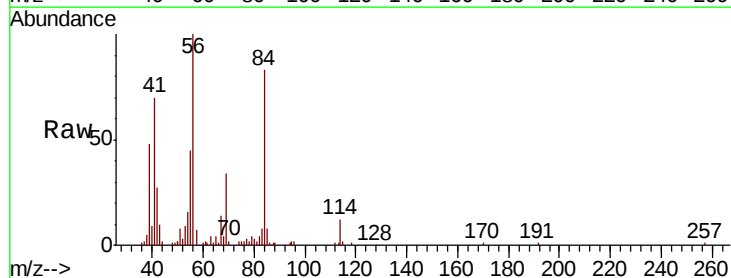
Tgt Ion: 84 Resp: 60528

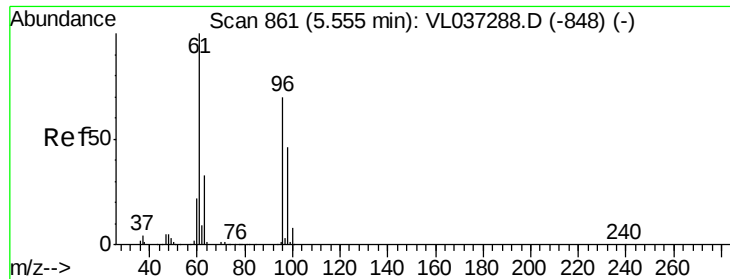
Ion Ratio Lower Upper

84 100

56 118.0 104.1 156.1

41 98.7 64.7 97.1#



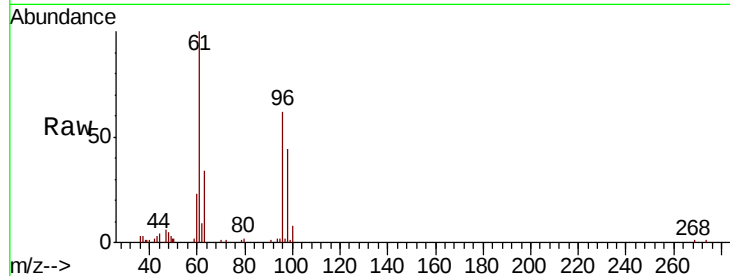


#31

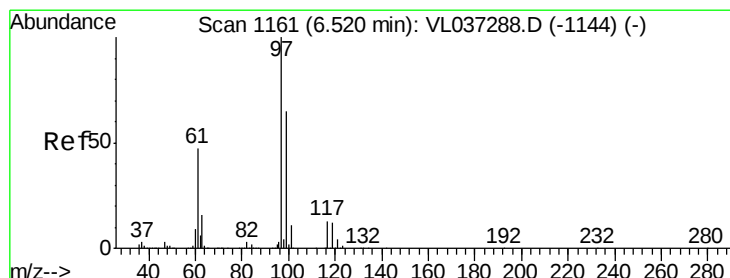
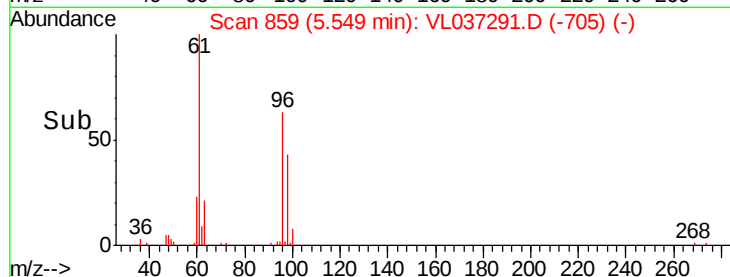
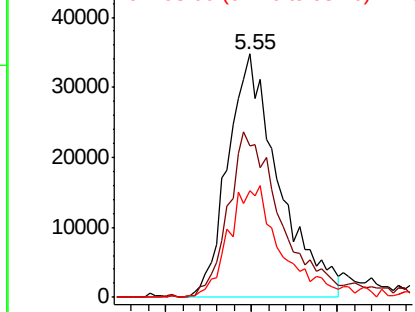
cis-1,2-Dichloroethene
Concen: 0.518 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	61.10	Resp	71840
Ion Ratio	Lower	Upper	
61	100		
96	61.4	55.9	83.9
98	43.0	37.1	55.7



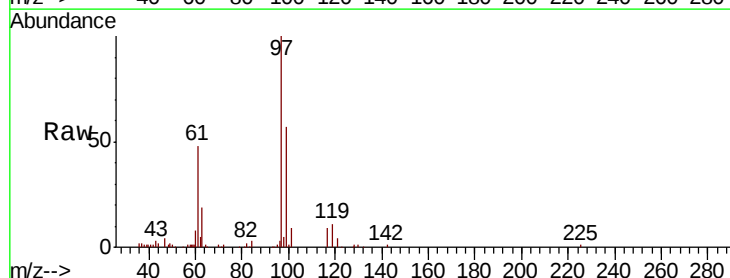
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



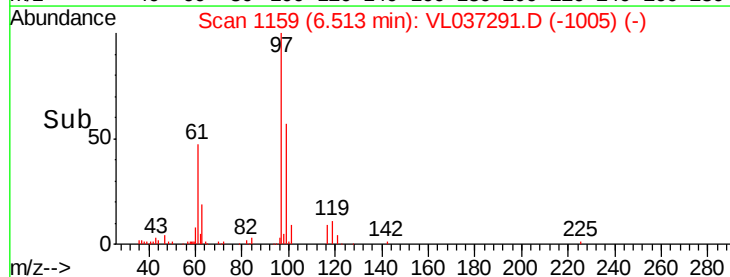
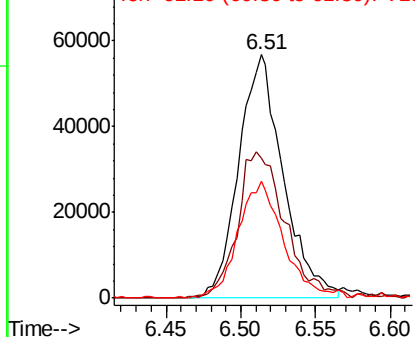
#32

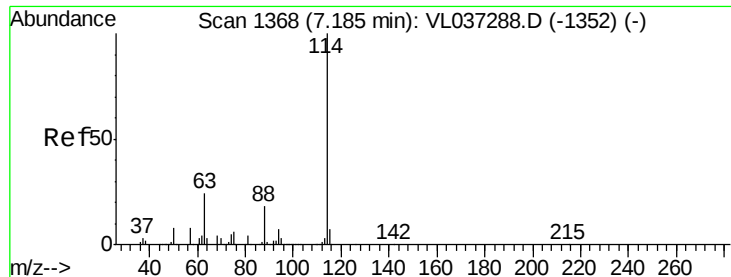
1,1,1-Trichloroethane
Concen: 0.476 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion	97	Resp	117648
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.5	78.7
61	49.5	38.2	57.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

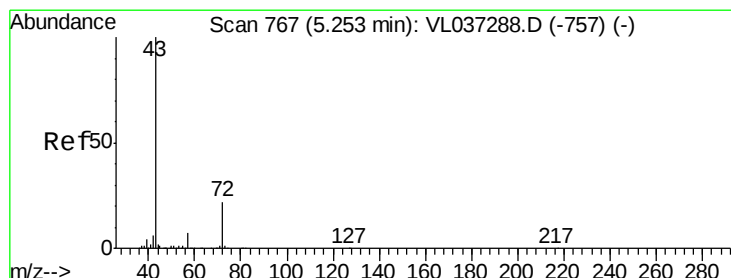
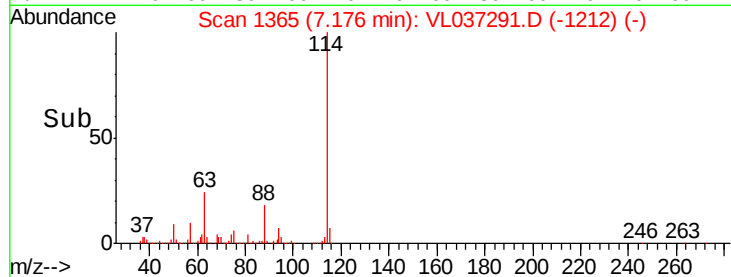
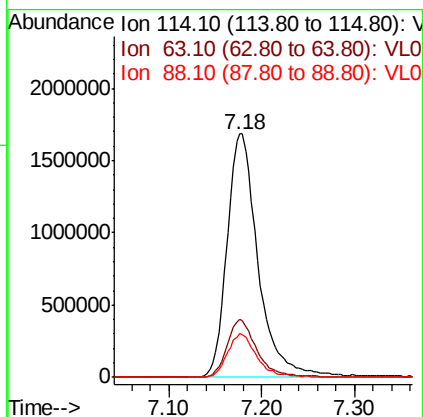
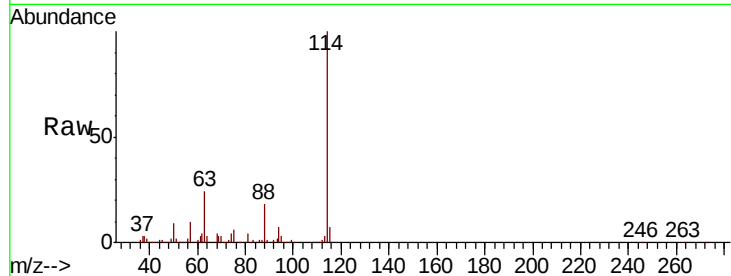




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

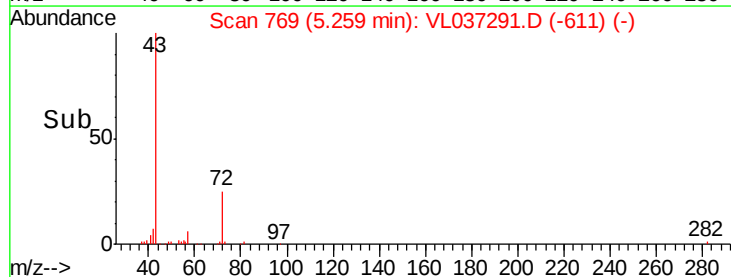
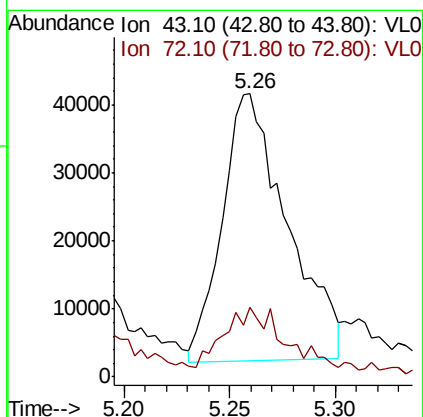
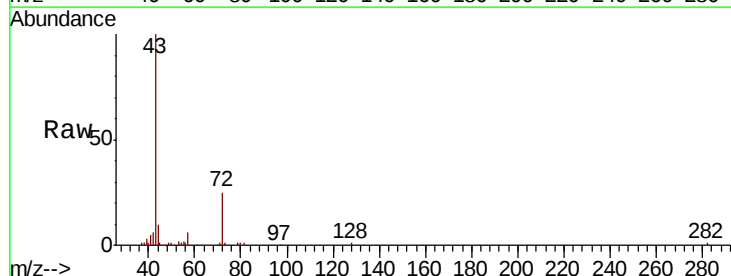
Instrument :
 MSVOA_L
 ClientSampled :

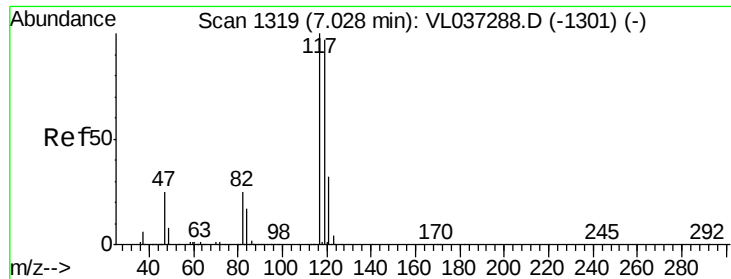
Tot Ion:114 Resp: 3908781
 Ion Ratio Lower Upper
 114 100
 63 23.2 19.0 28.4
 88 17.2 14.0 21.0



#34
 2-Butanone
 Concen: 0.552 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion: 43 Resp: 83876
 Ion Ratio Lower Upper
 43 100
 72 31.6 18.5 27.7#

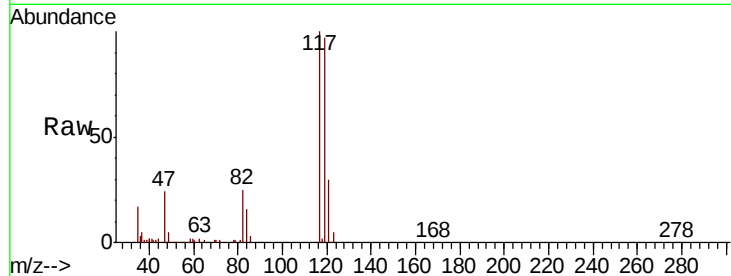




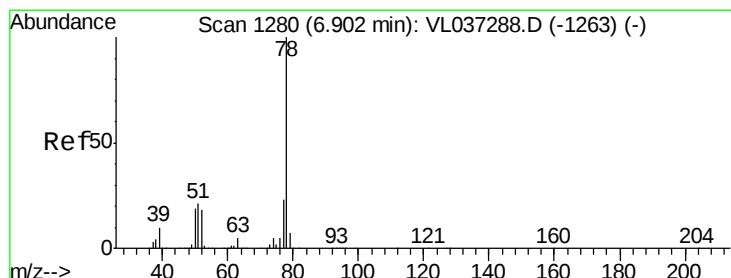
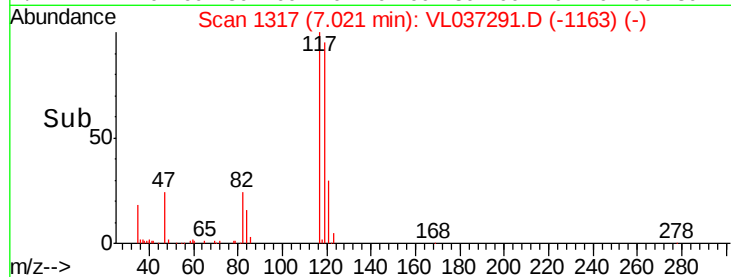
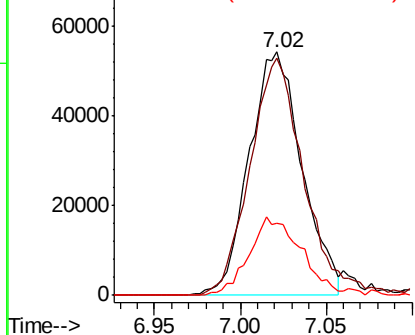
#35
Carbon Tetrachloride
Concen: 0.446 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 115909
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.2
121 29.8 25.8 38.8

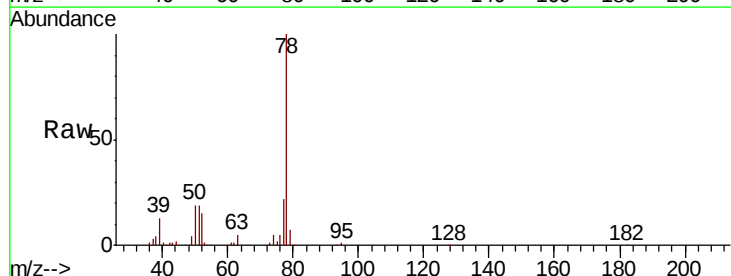


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

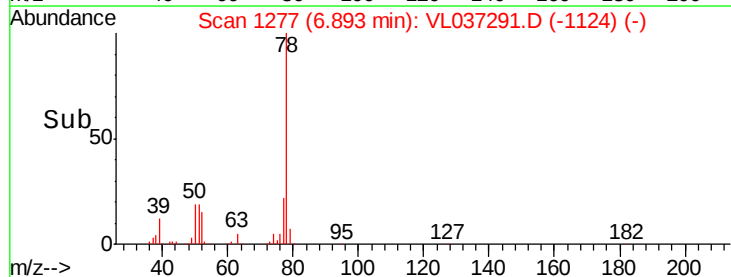
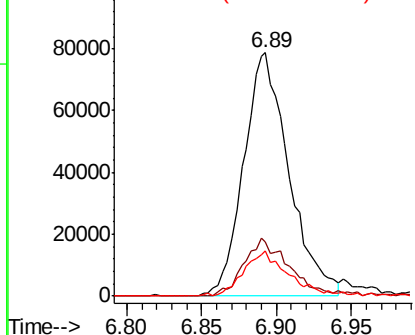


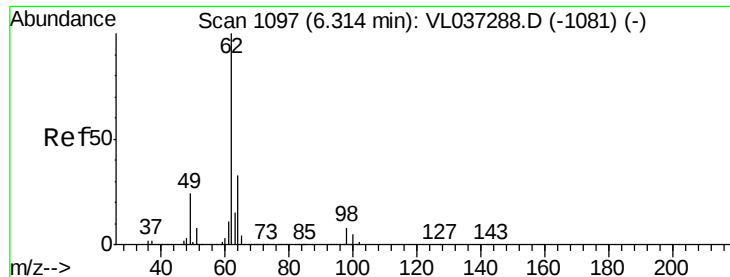
#36
Benzene
Concen: 0.522 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 78 Resp: 165541
Ion Ratio Lower Upper
78 100
77 22.3 18.3 27.5
50 18.7 15.5 23.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

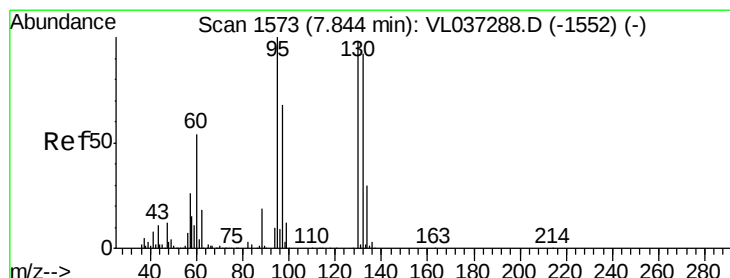
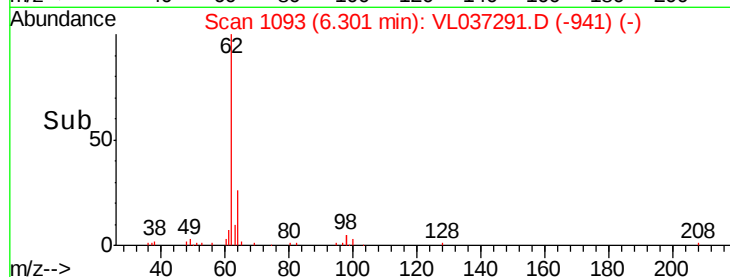
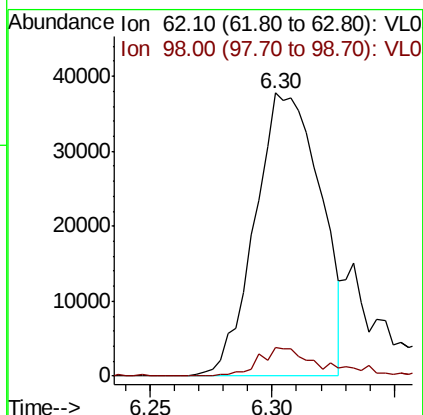
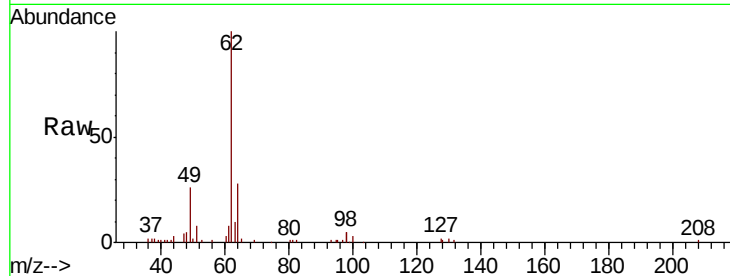




#37
 1,2-Dichloroethane
 Concen: 0.386 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

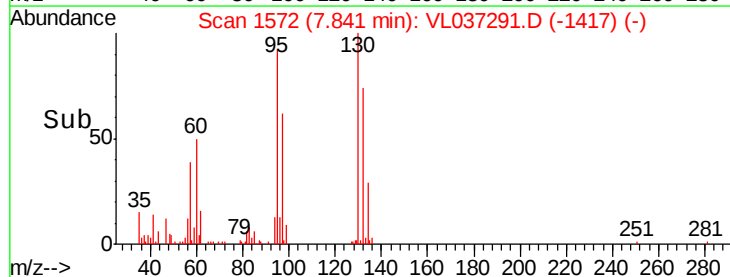
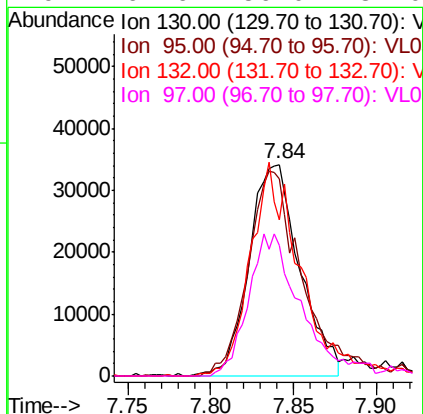
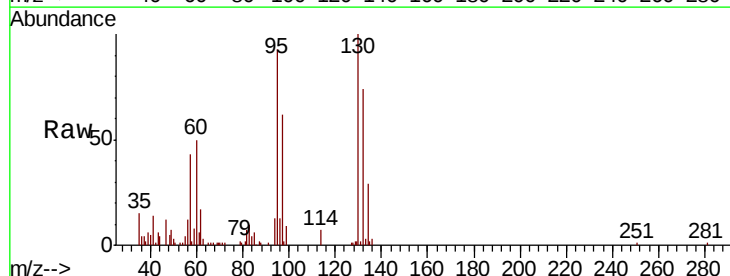
Instrument :
 MSVOA_L
 ClientSampleId :

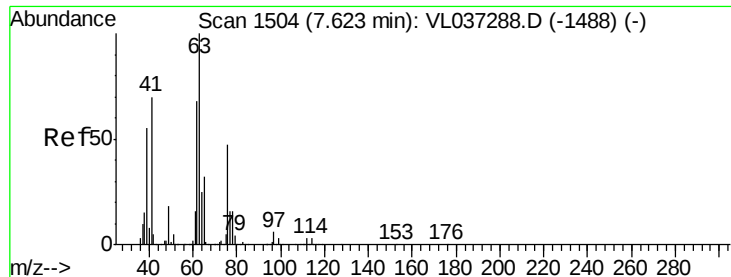
Tot Ion: 62 Resp: 70071
 Ion Ratio Lower Upper
 62 100
 98 10.2 5.8 8.6#



#38
 Trichloroethene
 Concen: 0.482 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion: 130 Resp: 72972
 Ion Ratio Lower Upper
 130 100
 95 93.1 82.0 123.0
 132 73.8 75.0 112.6#
 97 61.6 56.0 84.0

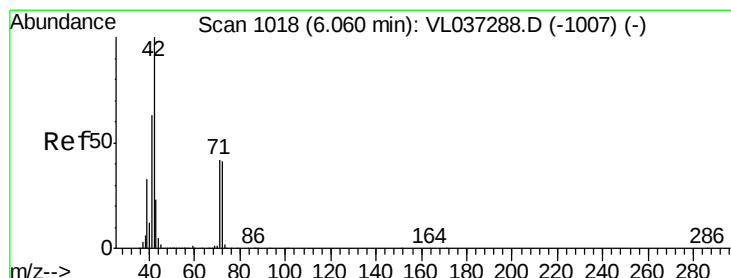
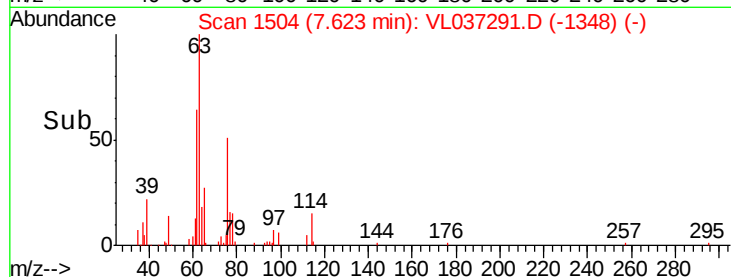
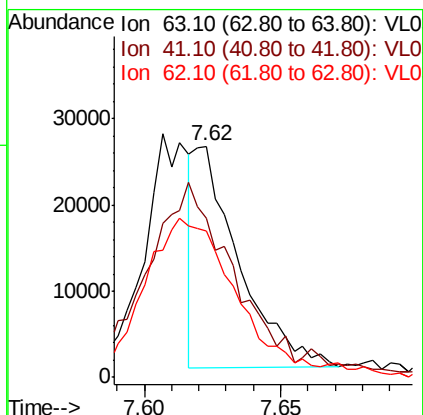
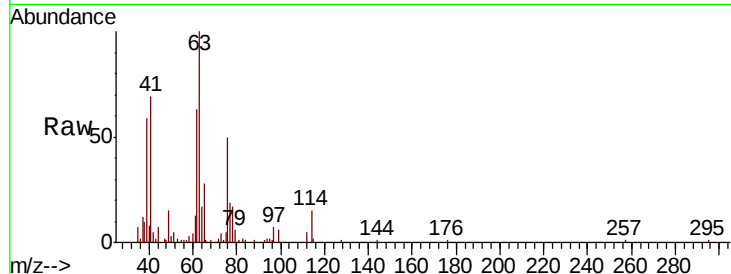




#39
 1,2-Dichloropropane
 Concen: 0.247 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

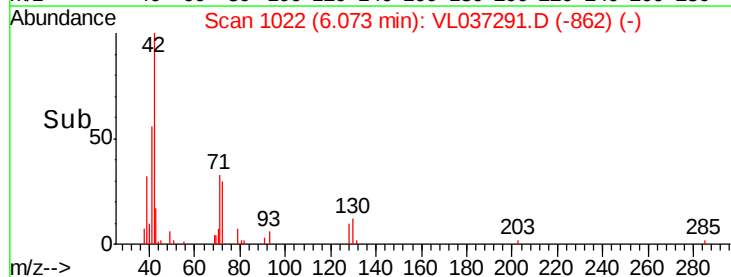
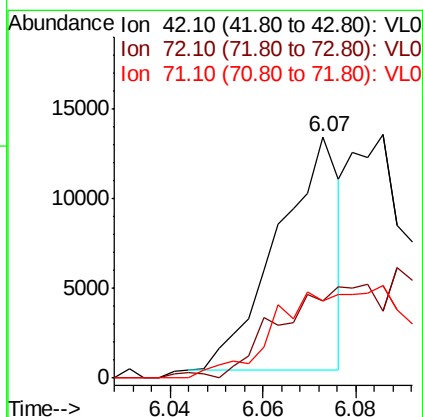
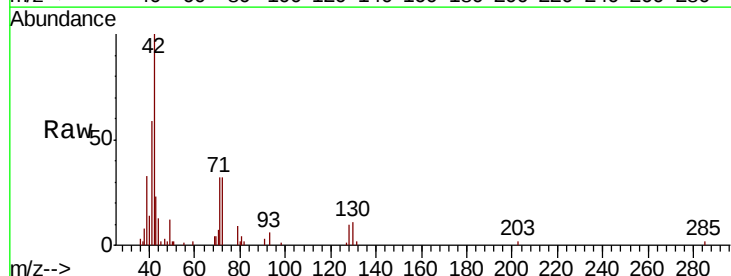
Instrument :
 MSVOA_L
 ClientSampleId :

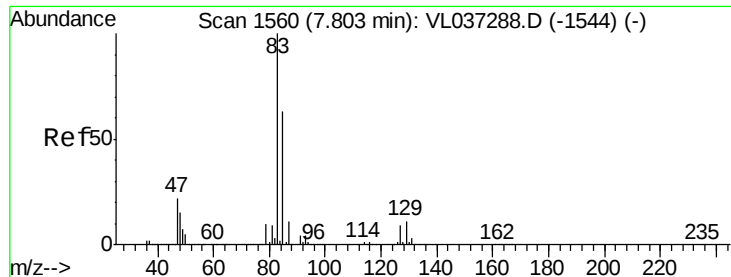
Tot Ion	Ratio	Lower	Upper
63	100		
41	66.5	56.4	84.6
62	59.7	54.6	82.0



#41
 Tetrahydrofuran
 Concen: 0.171 ppbv
 RT: 6.07 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.6#
71	0.0	32.7	49.1#





#42

Bromodichloromethane

Concen: 0.426 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

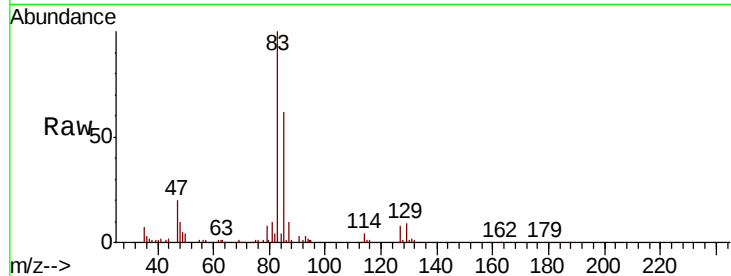
Tot Ion: 83 Resp: 106871

Ion Ratio Lower Upper

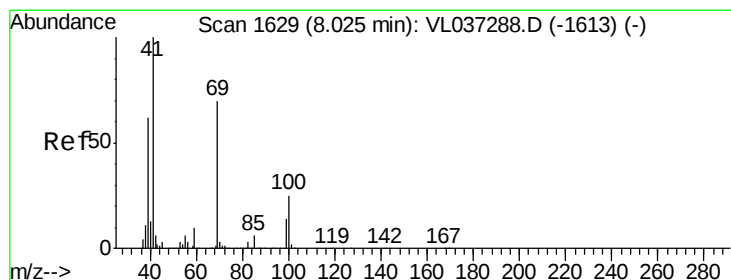
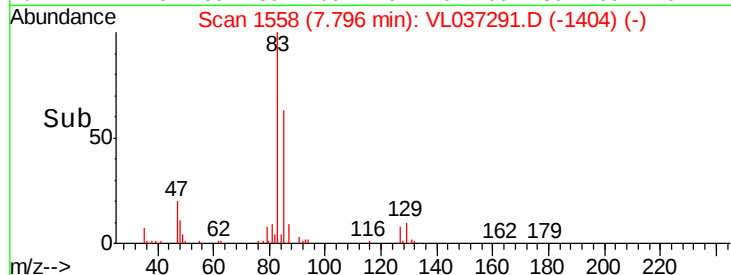
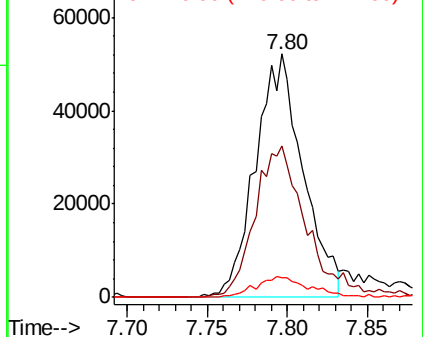
83 100

85 62.2 50.5 75.7

127 8.2 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.136 ppbv

RT: 8.02 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

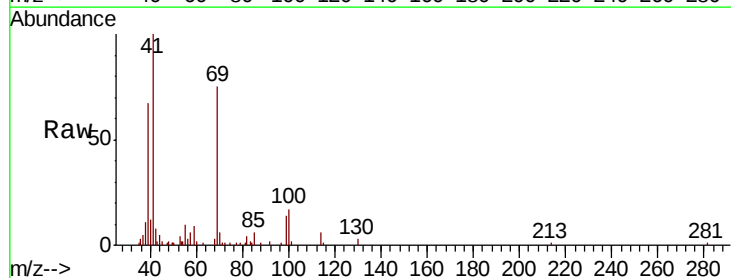
Tgt Ion: 69 Resp: 14823

Ion Ratio Lower Upper

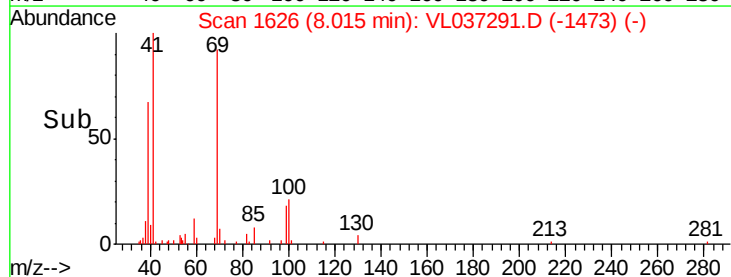
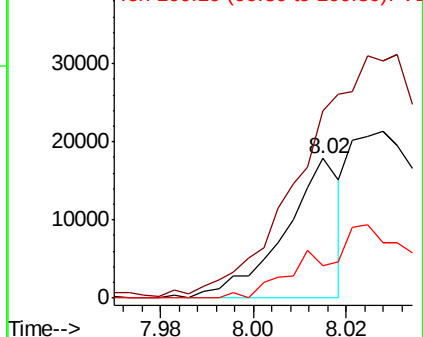
69 100

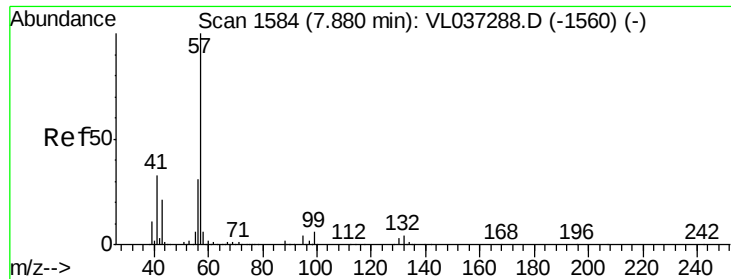
41 0.0 116.5 174.7#

100 0.0 28.7 43.1#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

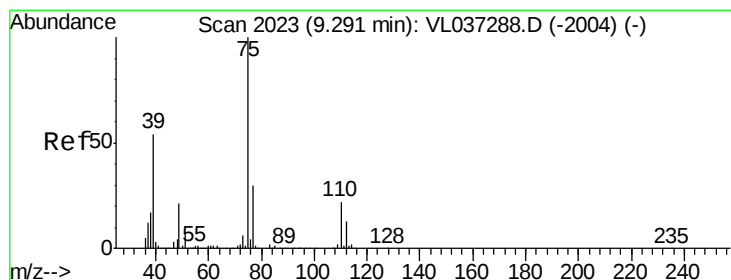
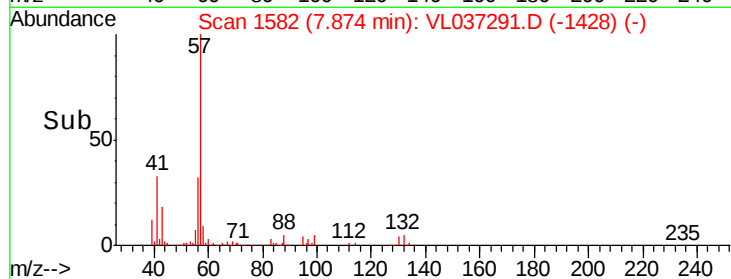
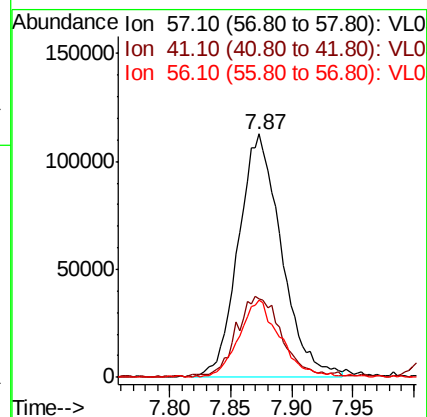
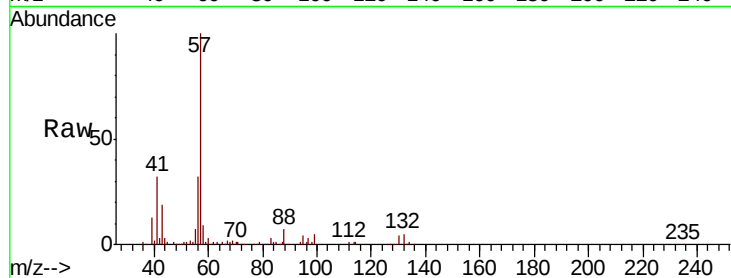




#44
 2,2,4-Trimethylpentane
 Concen: 0.514 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

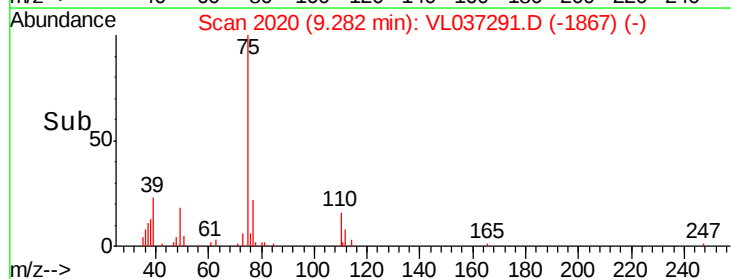
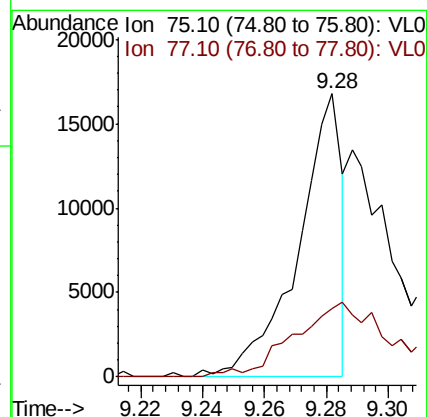
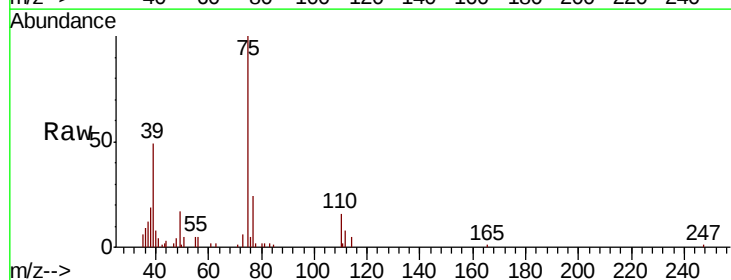
Instrument :
 MSVOA_L
 ClientSampled :

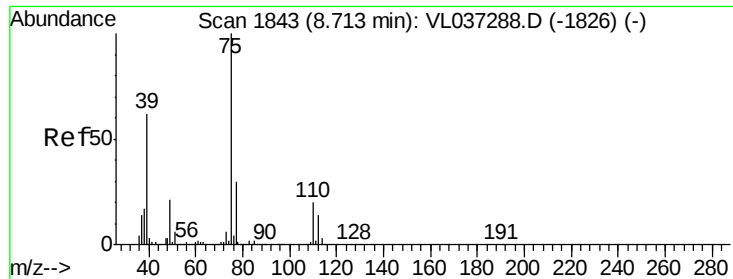
Tot Ion	57	Resp	273797
Ion	Ratio	Lower	Upper
57	100		
41	35.9	26.6	40.0
56	31.2	25.3	37.9



#45
 t-1,3-Dichloropropene
 Concen: 0.173 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion	75	Resp	16432
Ion	Ratio	Lower	Upper
75	100		
77	26.2	24.3	36.5

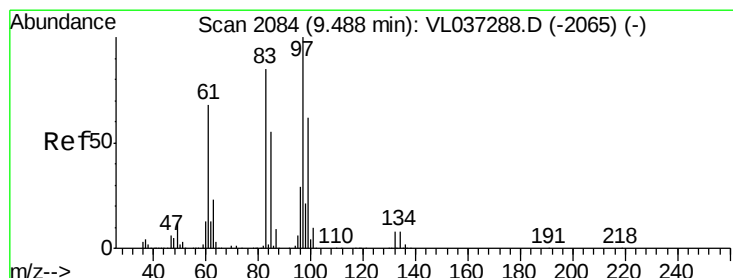
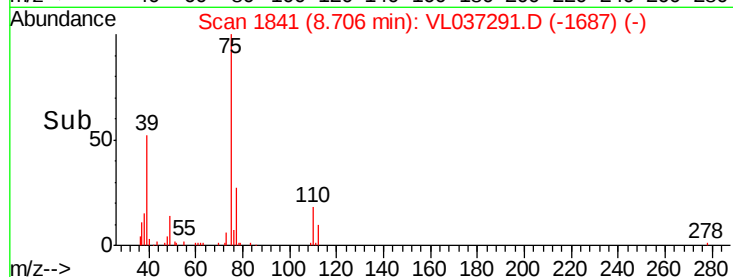
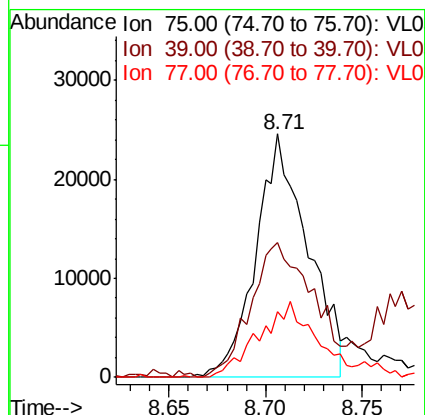
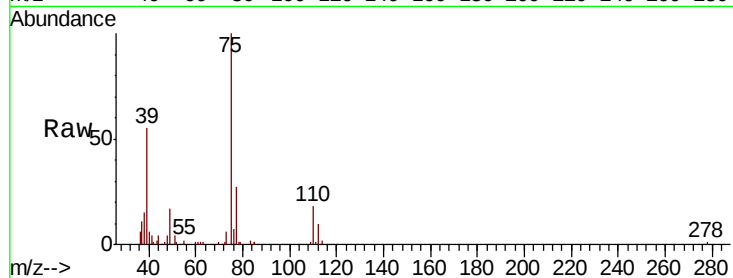




#46
 cis-1,3-Dichloropropene
 Concen: 0.352 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

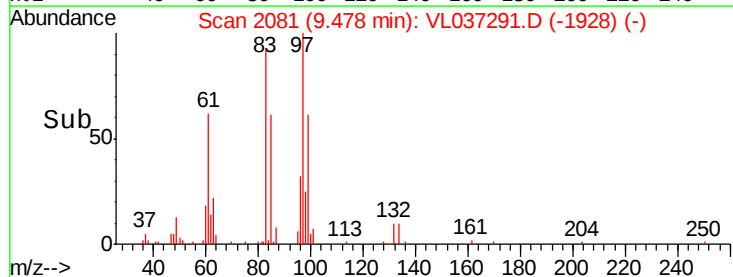
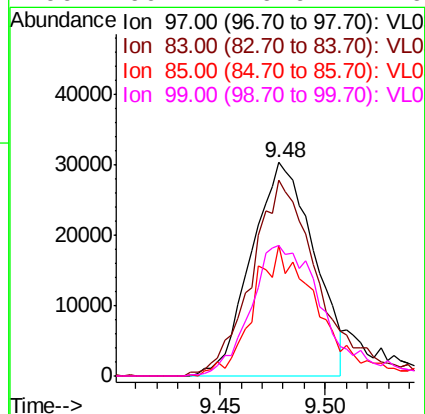
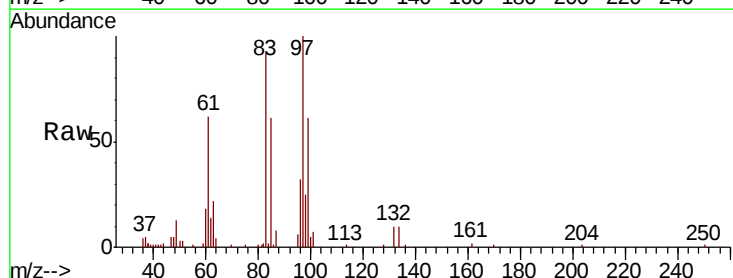
Instrument :
 MSVOA_L
 ClientSampleId :

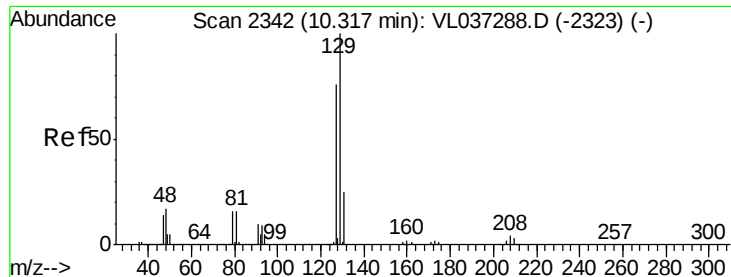
Tot Ion	Ratio	Lower	Upper
75	100		
39	53.7	49.8	74.6
77	26.8	24.3	36.5



#47
 1,1,2-Trichloroethane
 Concen: 0.466 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.8	67.7	101.5
85	60.1	43.8	65.6
99	60.4	49.9	74.9





#48

Dibromochloromethane

Concen: 0.240 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

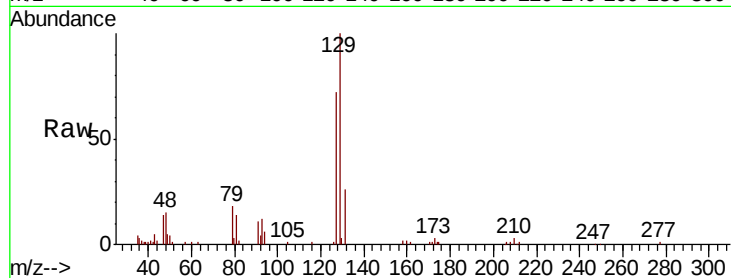
ClientSampleId :

Tot Ion:129 Resp: 50773

Ion Ratio Lower Upper

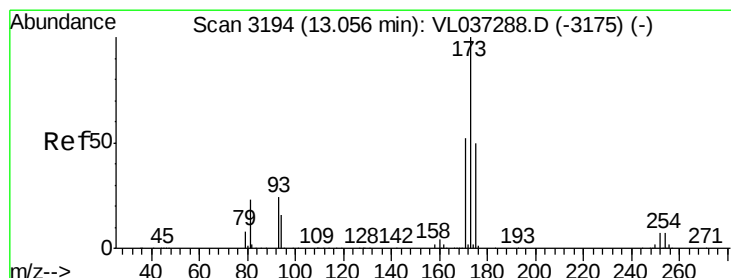
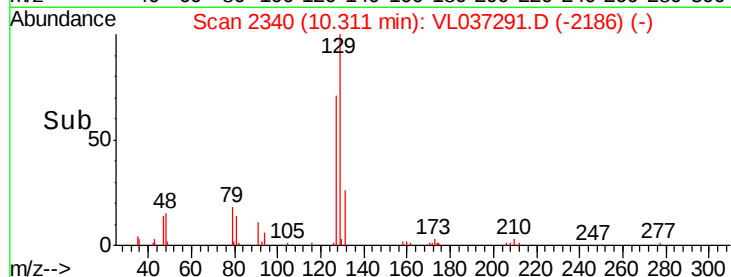
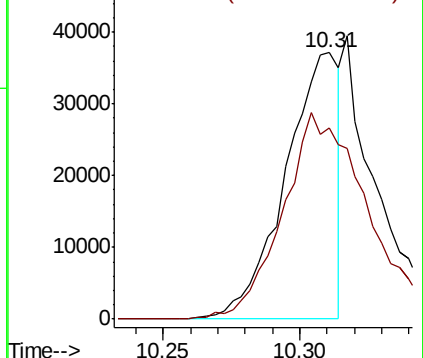
129 100

127 129.4 39.5 118.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.350 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

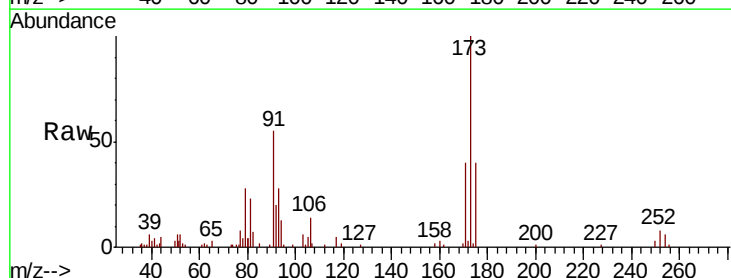
Tgt Ion:173 Resp: 55926

Ion Ratio Lower Upper

173 100

175 49.3 40.4 60.6

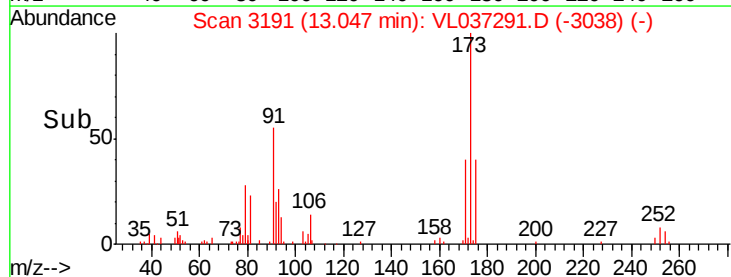
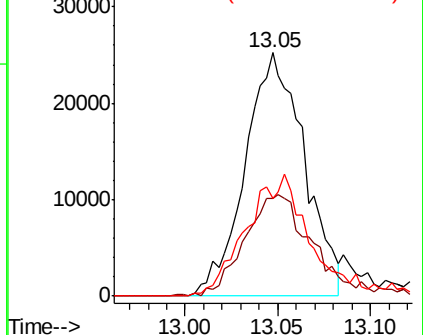
171 55.5 43.3 64.9

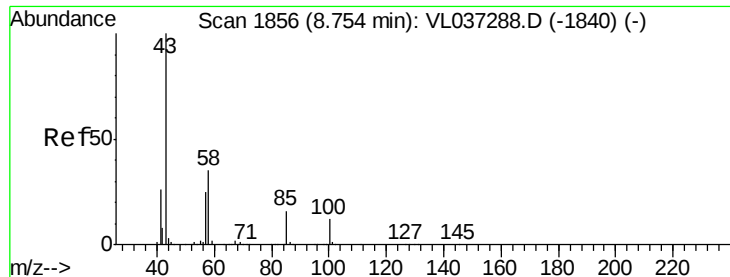


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

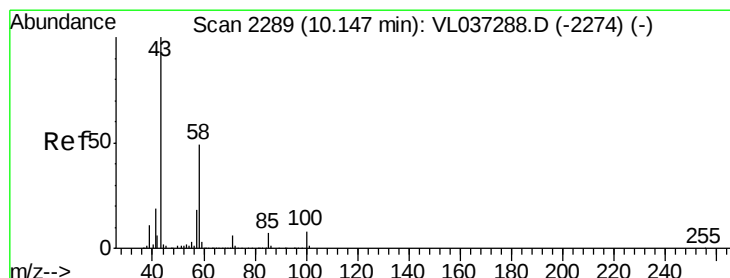
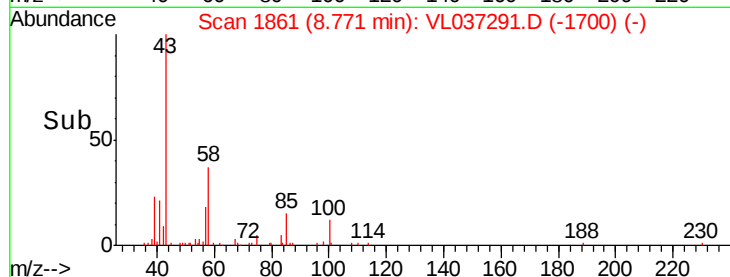
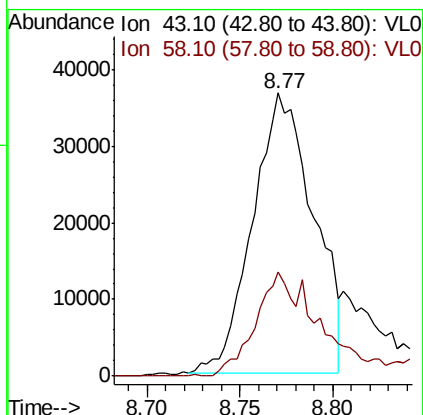
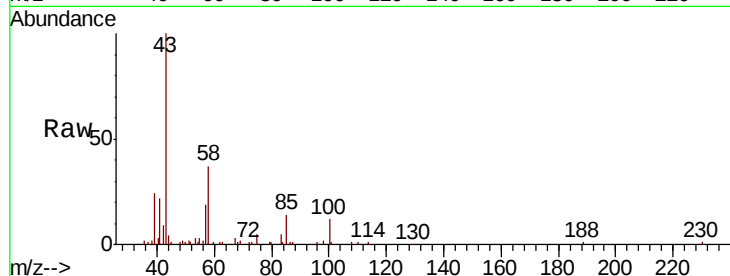




#50
4-Methyl-2-Pentanone
Concen: 0.403 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.02 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

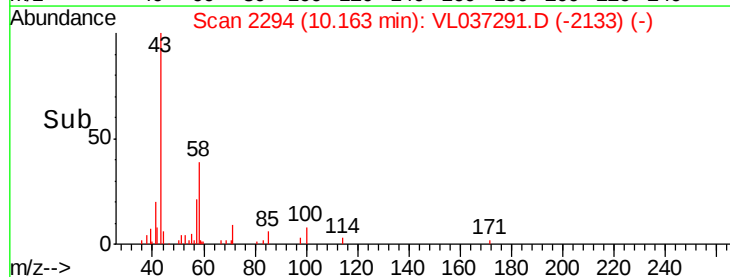
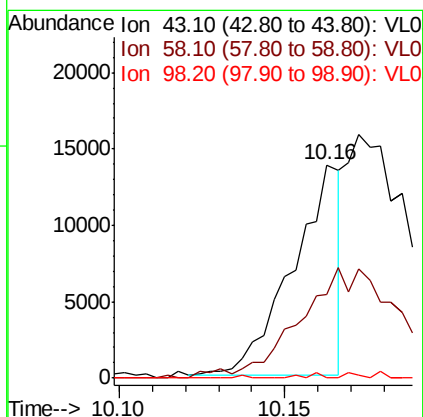
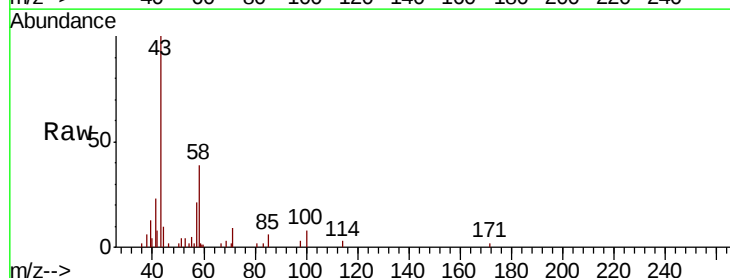
Instrument :
MSVOA_L
ClientSampleId :

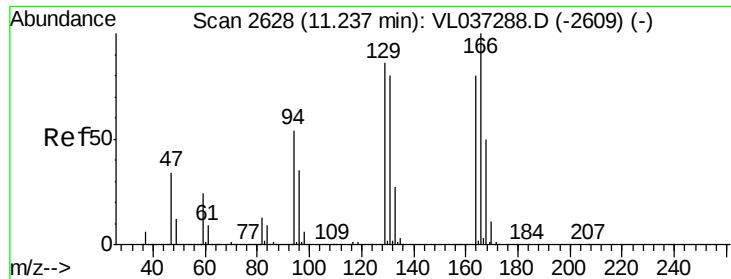
Tot Ion: 43 Resp: 83269
Ion Ratio Lower Upper
43 100
58 42.3 29.2 43.8



#51
2-Hexanone
Concen: 0.139 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 43 Resp: 13983
Ion Ratio Lower Upper
43 100
58 147.7 39.0 58.4#
98 1.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.360 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 53081

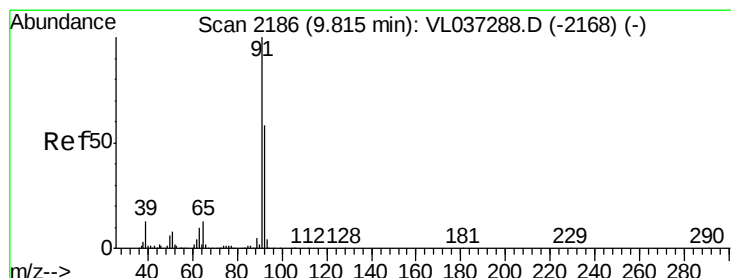
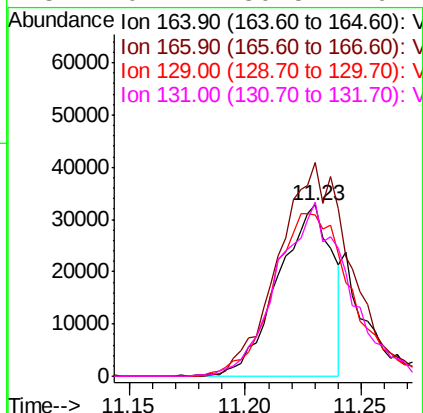
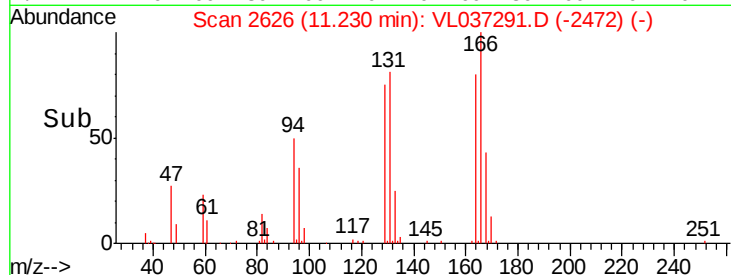
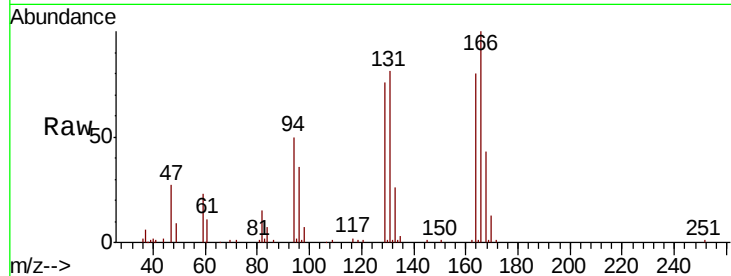
Ion Ratio Lower Upper

164 100

166 124.6 100.4 150.6

129 94.4 86.2 129.4

131 101.4 80.5 120.7



#53

Toluene

Concen: 0.259 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VL037291.D

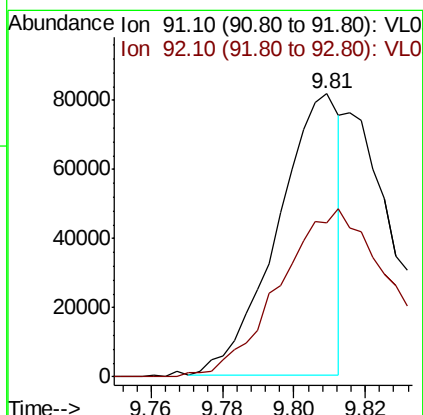
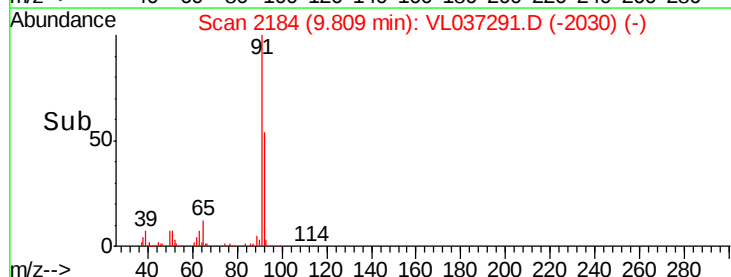
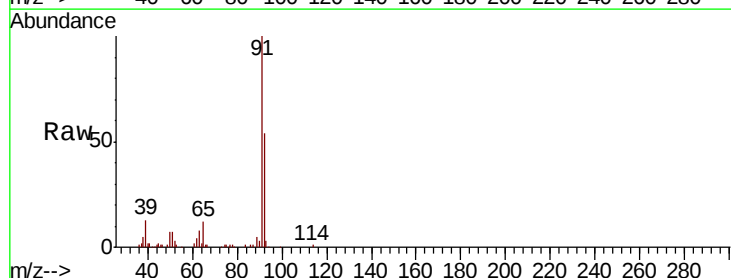
Acq: 30 Jul 2021 19:14

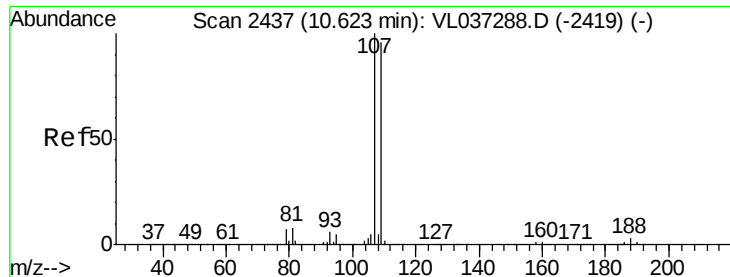
Tgt Ion: 91 Resp: 98353

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#





#54

1,2-Dibromoethane

Concen: 0.475 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

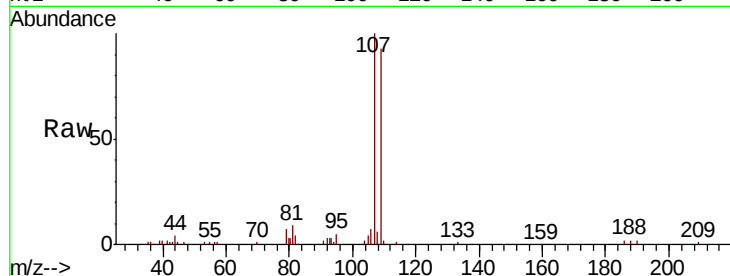
ClientSampleId :

Tot Ion:107 Resp: 91714

Ion Ratio Lower Upper

107 100

109 92.5 77.0 115.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.62

40000

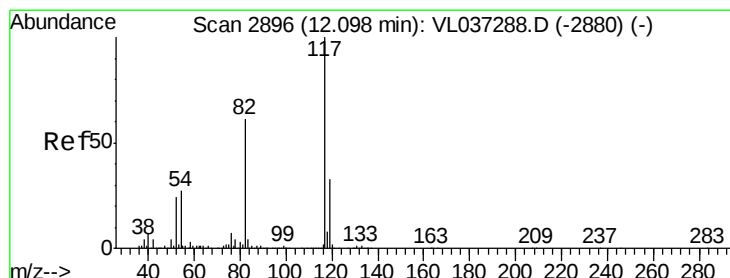
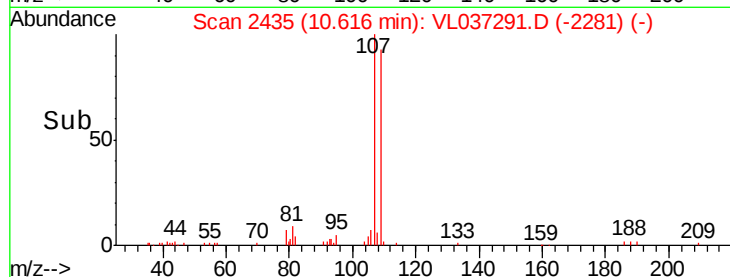
30000

20000

10000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

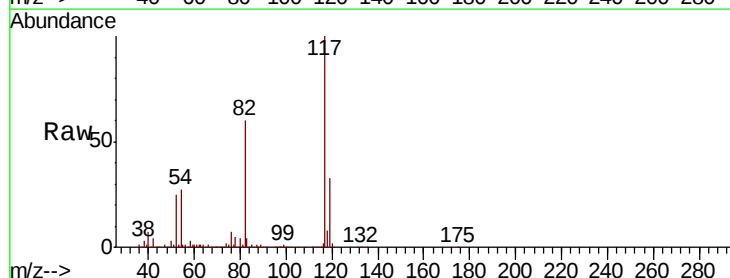
Tgt Ion:117 Resp: 3492163

Ion Ratio Lower Upper

117 100

82 61.4 47.2 70.8

119 35.1 45.8 68.8#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

12.09

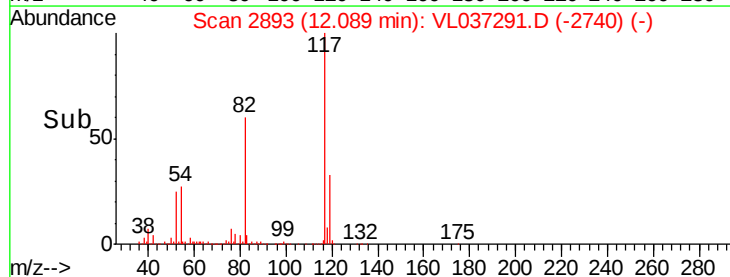
1500000

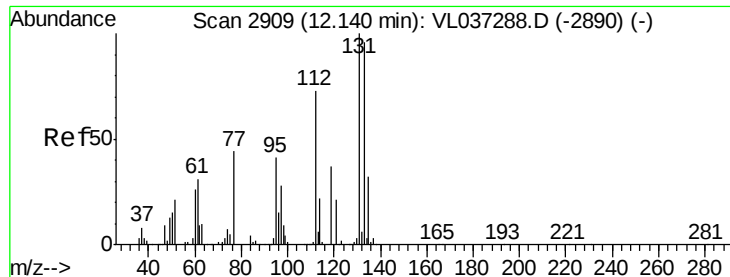
1000000

500000

0

Time-->





#56

1,1,1,2-Tetrachloroethane

Concen: 0.512 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

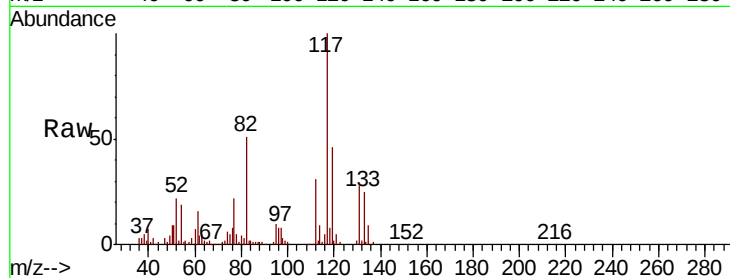
Tot Ion:131 Resp: 77656

Ion Ratio Lower Upper

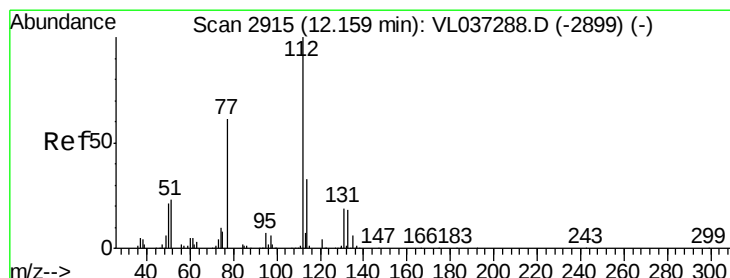
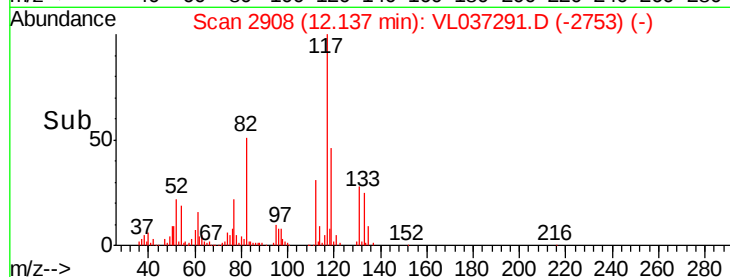
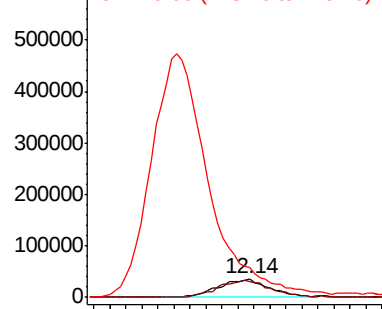
131 100

133 98.8 77.4 116.2

119 1579.5 51.0 76.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#57

Chlorobenzene

Concen: 0.552 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

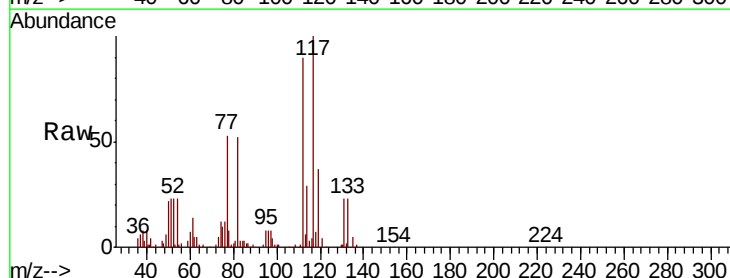
Tgt Ion:112 Resp: 156493

Ion Ratio Lower Upper

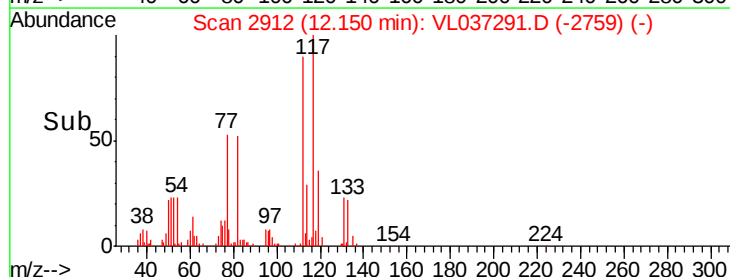
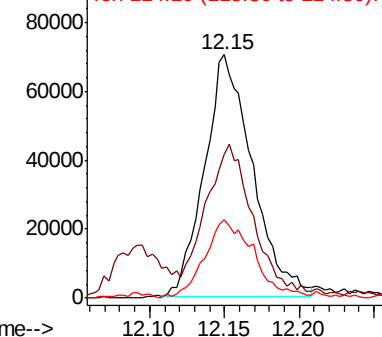
112 100

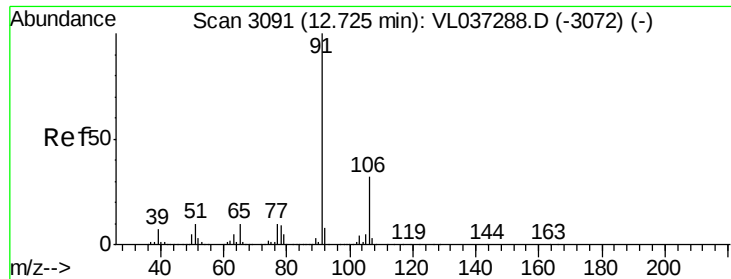
77 56.9 49.0 73.6

114 32.7 29.3 35.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): V
Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 0.113 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. 0.26 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

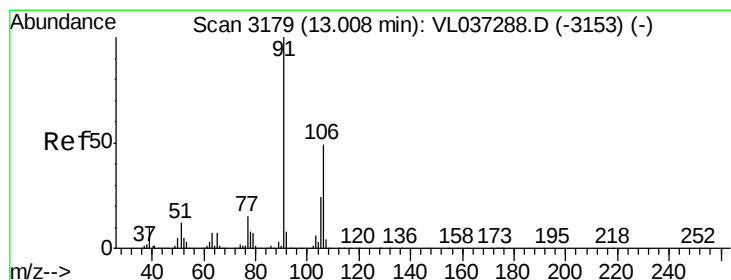
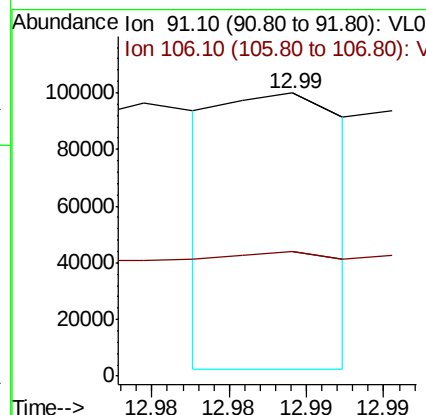
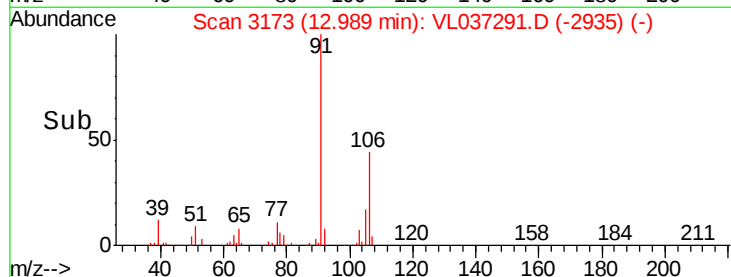
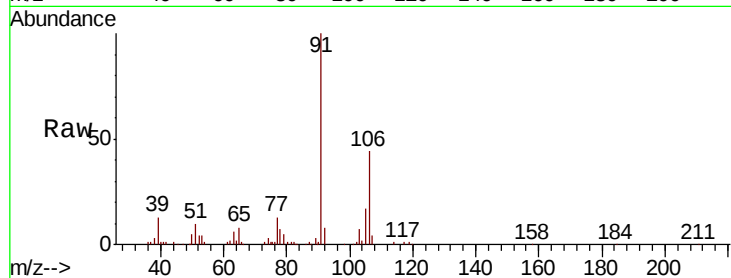
ClientSampleId :

Tot Ion: 91 Resp: 54213

Ion Ratio Lower Upper

91 100

106 35.0 25.4 38.0



#59

m/p-Xylene

Concen: 0.468 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.01 min

Lab File: VL037291.D

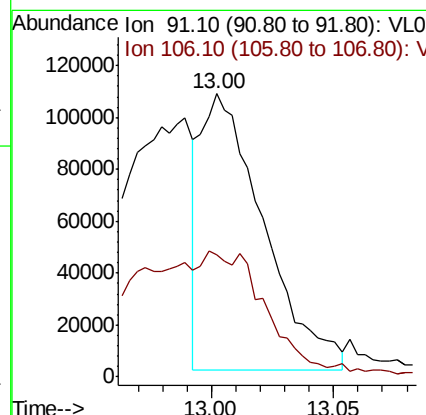
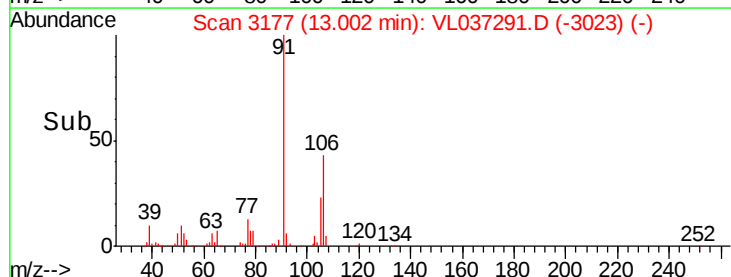
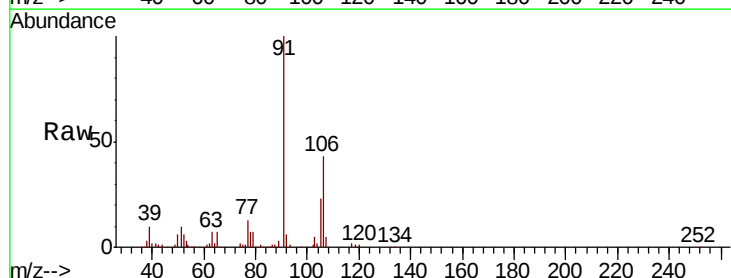
Acq: 30 Jul 2021 19:14

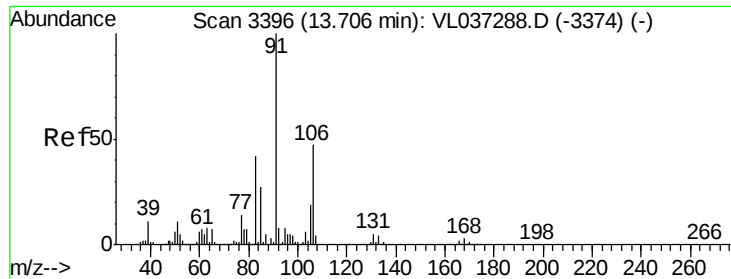
Tgt Ion: 91 Resp: 189744

Ion Ratio Lower Upper

91 100

106 104.1 37.3 55.9#

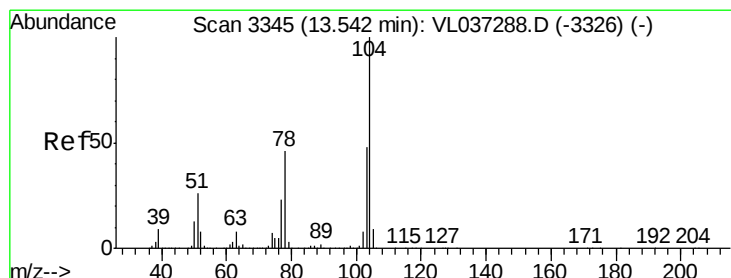
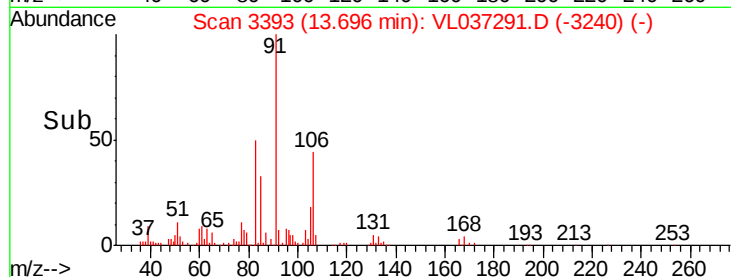
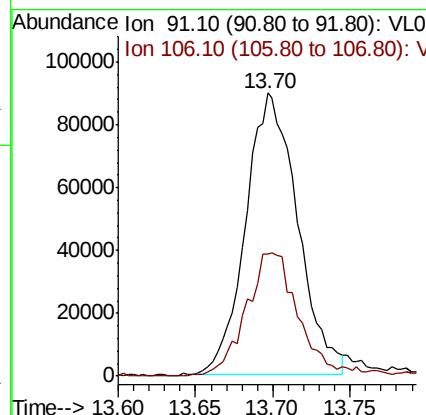
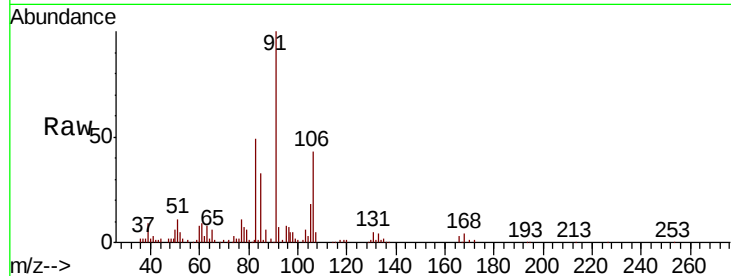




#60
o-Xylene
Concen: 0.541 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

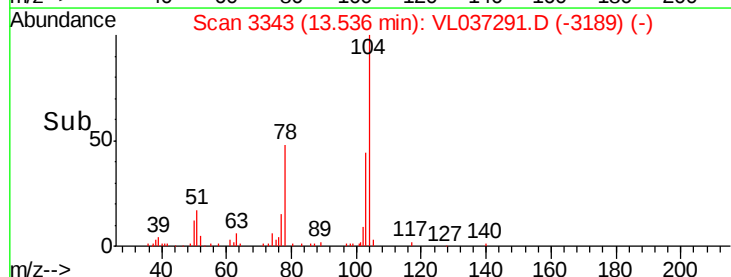
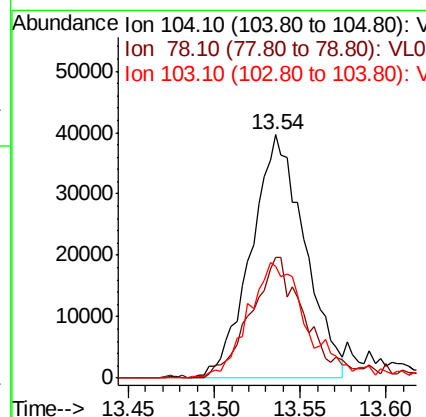
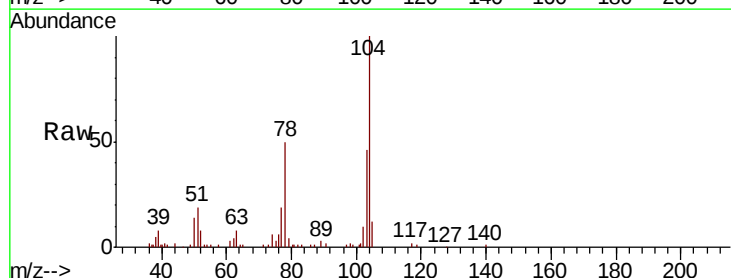
Instrument :
MSVOA_L
ClientSampled :

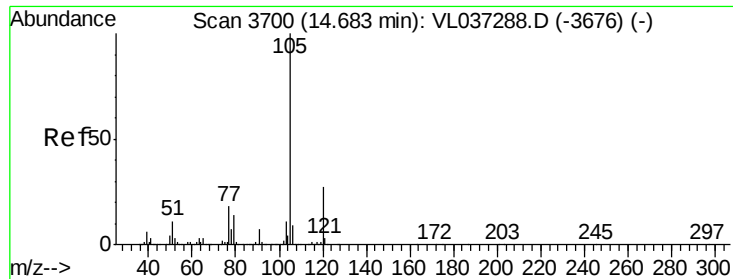
Tot Ion: 91 Resp: 209196
Ion Ratio Lower Upper
91 100
106 45.7 23.4 70.0



#61
Styrene
Concen: 0.432 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 104 Resp: 86052
Ion Ratio Lower Upper
104 100
78 53.1 39.0 58.6
103 53.7 38.6 58.0





#62

Isopropylbenzene

Concen: 0.327 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

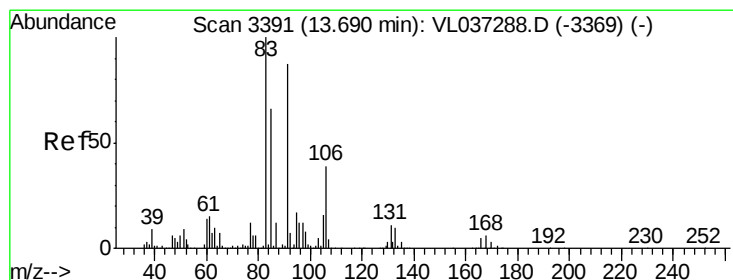
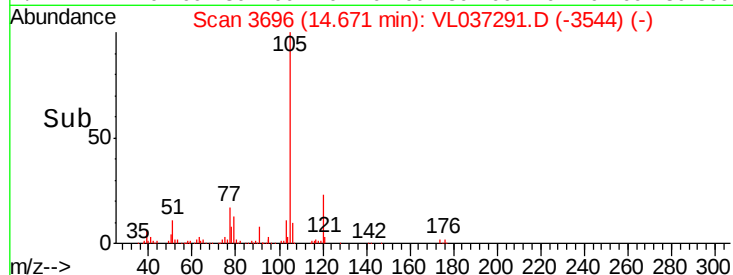
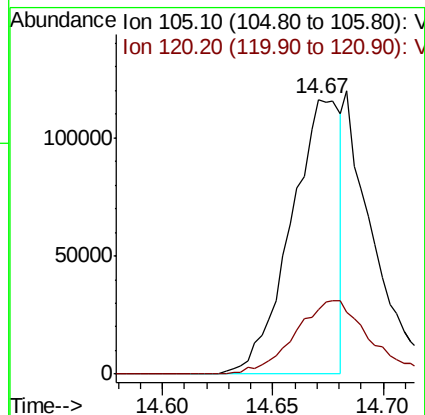
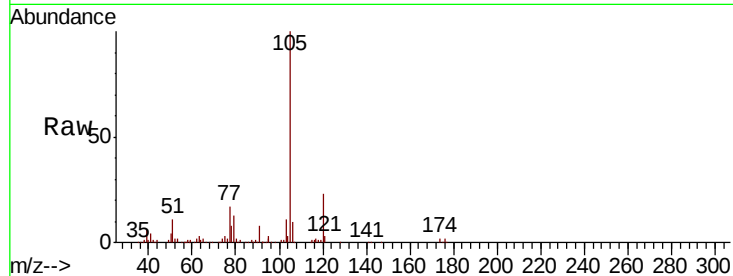
ClientSampleId :

Tot Ion:105 Resp: 180131

Ion Ratio Lower Upper

105 100

120 0.0 21.8 32.6#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.495 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

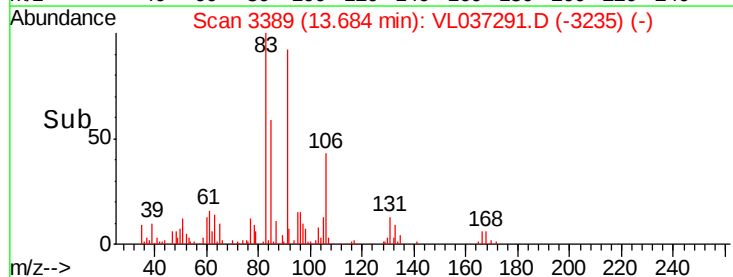
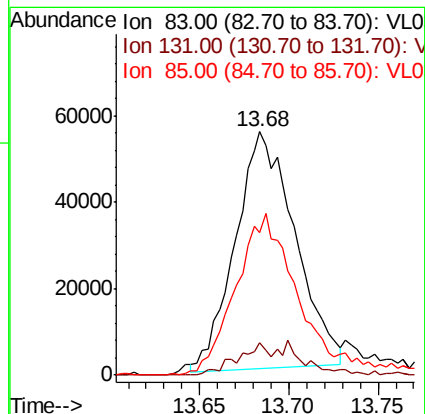
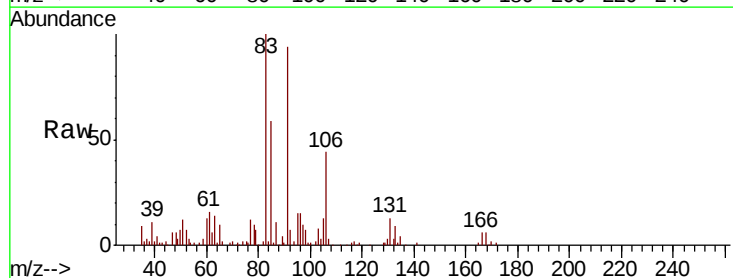
Tgt Ion: 83 Resp: 128531

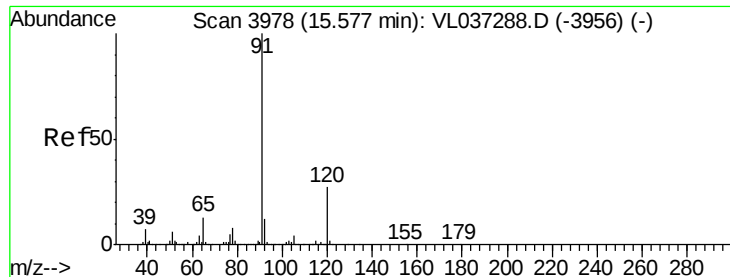
Ion Ratio Lower Upper

83 100

131 13.8 5.5 16.5

85 75.7 33.6 100.8





#64

n-propylbenzene

Concen: 0.271 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

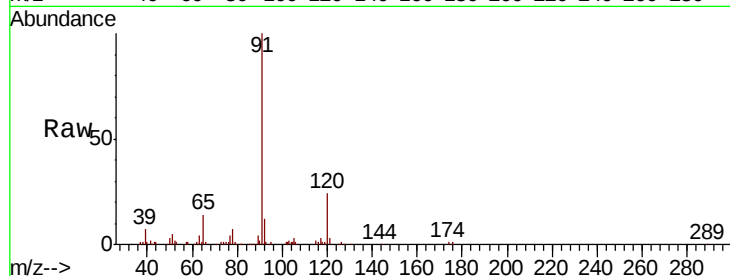
ClientSampled :

Tot Ion:120 Resp: 37566

Ion Ratio Lower Upper

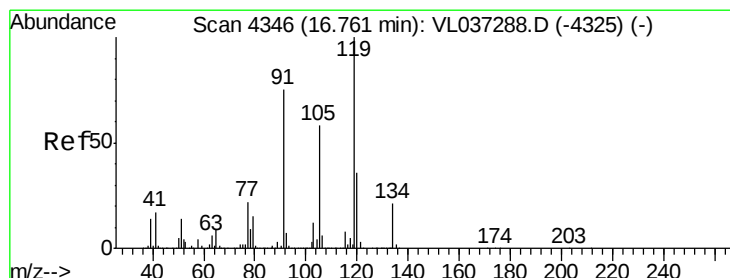
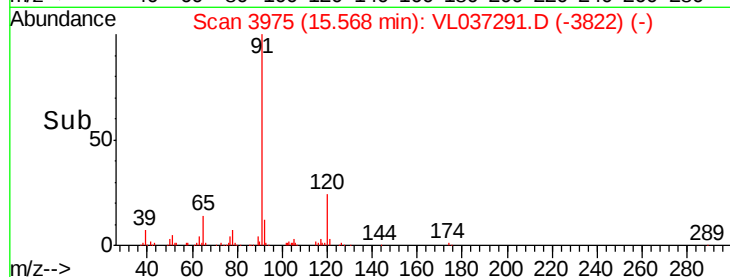
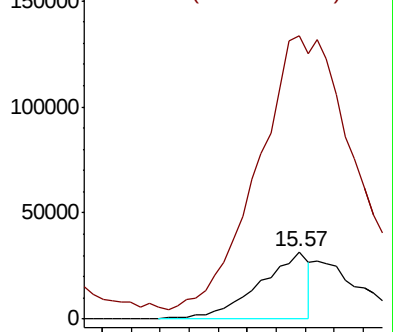
120 100

91 938.3 347.0 520.4#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.539 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

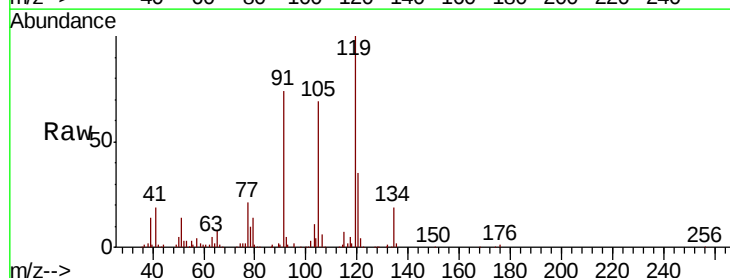
Tgt Ion:119 Resp: 265337

Ion Ratio Lower Upper

119 100

91 83.9 60.5 90.7

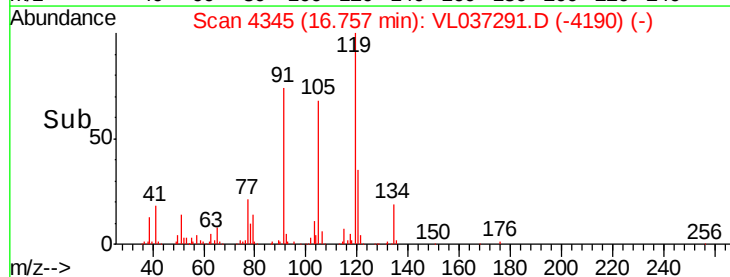
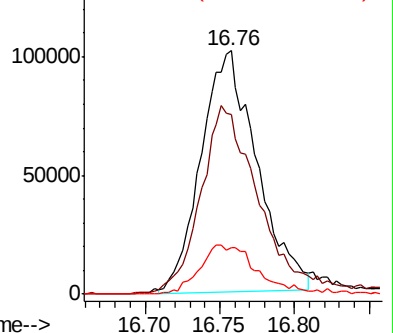
134 21.6 16.2 24.4

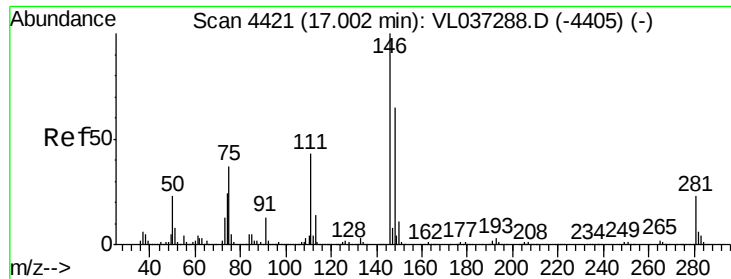


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

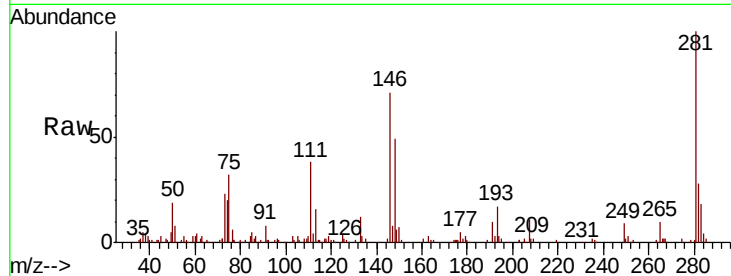




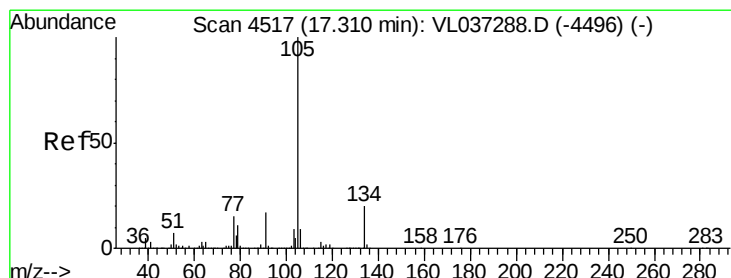
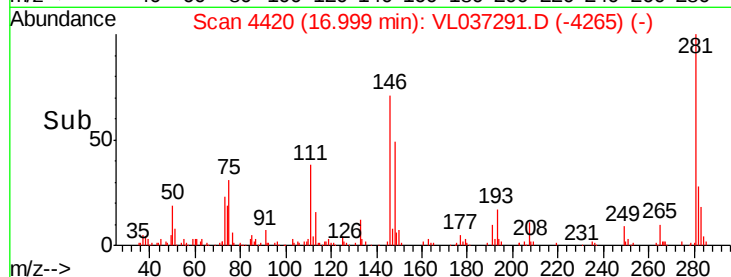
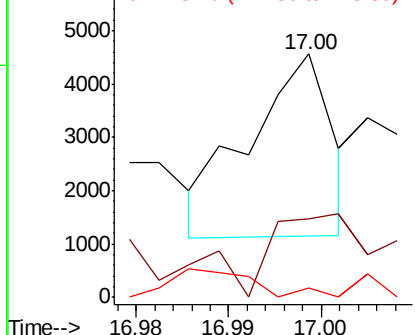
#66
Benzyl Chloride
Concen: 0.093 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. -0.00 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 2116
Ion Ratio Lower Upper
91 100
126 130.2 15.4 23.0#
128 19.9 5.0 7.4#

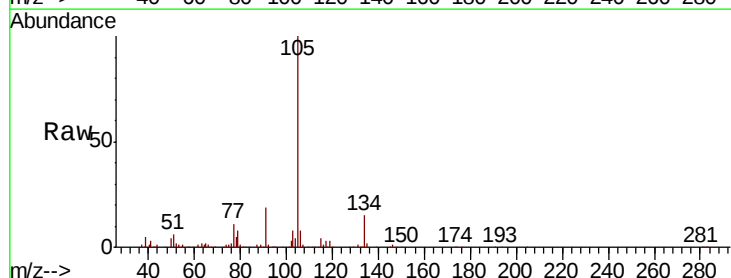


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

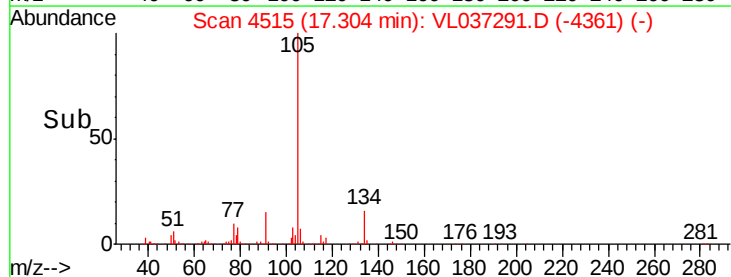
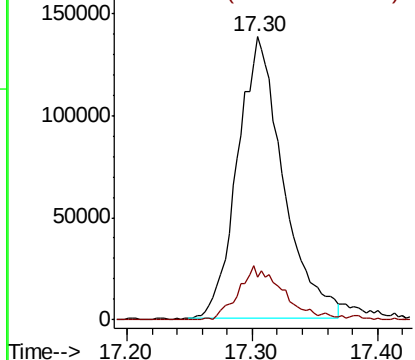


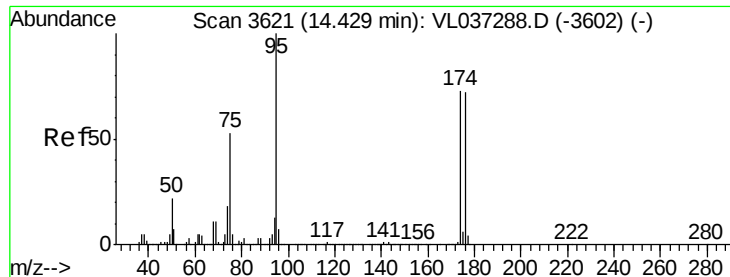
#67
sec-Butylbenzene
Concen: 0.532 ppbv
RT: 17.30 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 105 Resp: 349577
Ion Ratio Lower Upper
105 100
134 19.4 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

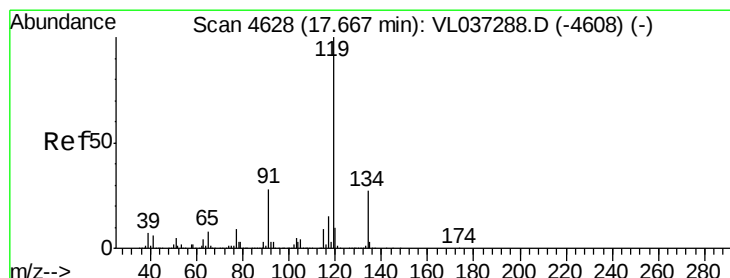
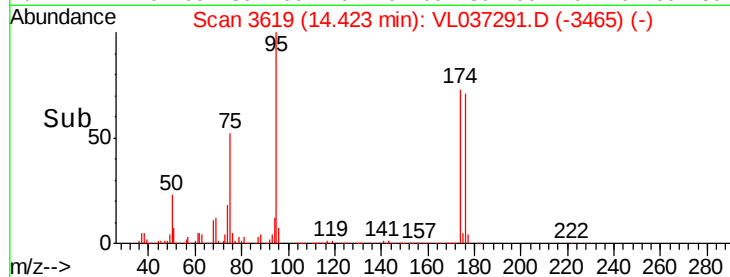
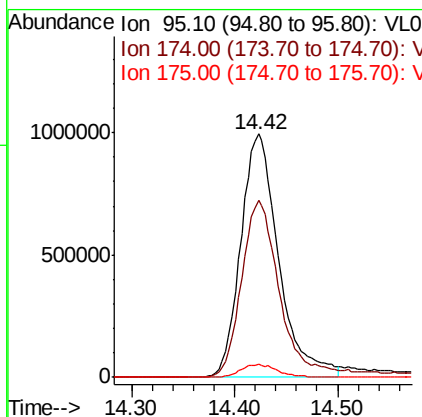
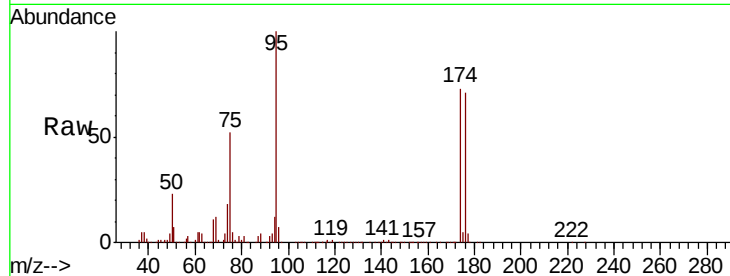




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.740 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

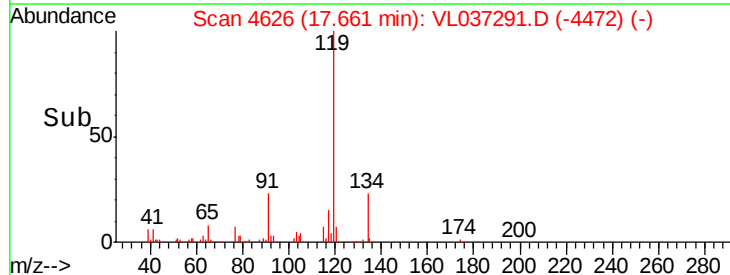
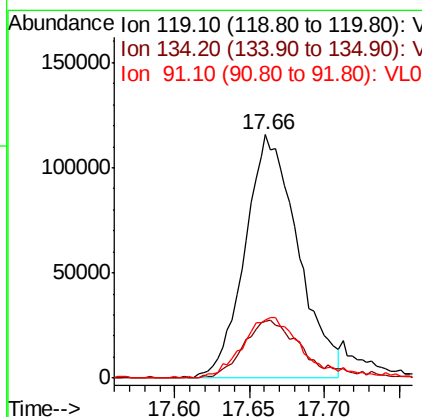
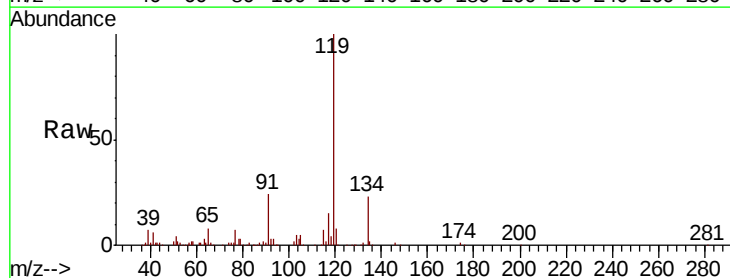
Instrument :
 MSVOA_L
 ClientSampleId :

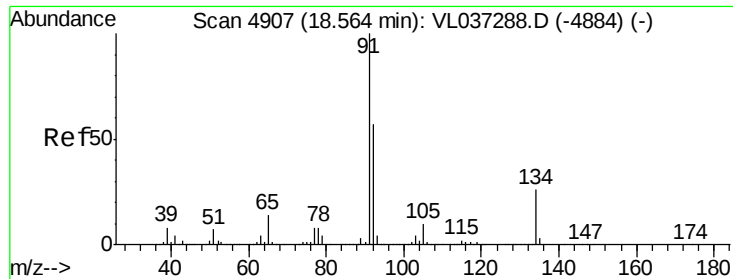
Tot Ion: 95 Resp: 2550610
 Ion Ratio Lower Upper
 95 100
 174 77.6 59.8 89.6
 175 5.6 4.5 6.7



#69
 p-Isopropyltoluene
 Concen: 0.509 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion: 119 Resp: 282774
 Ion Ratio Lower Upper
 119 100
 134 27.7 21.1 31.7
 91 30.0 21.8 32.6

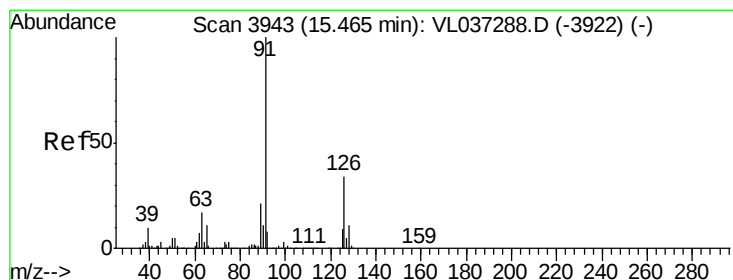
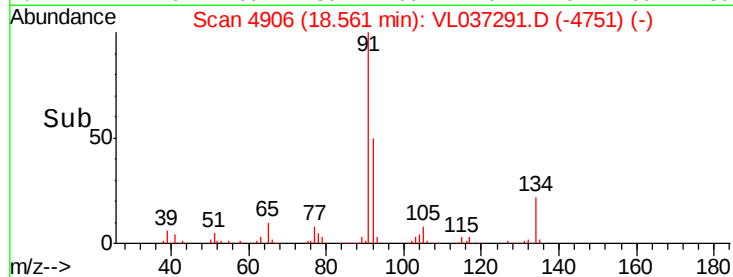
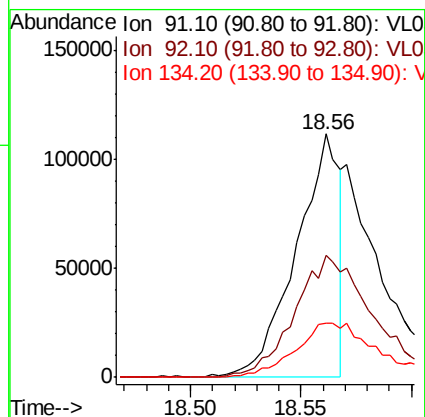
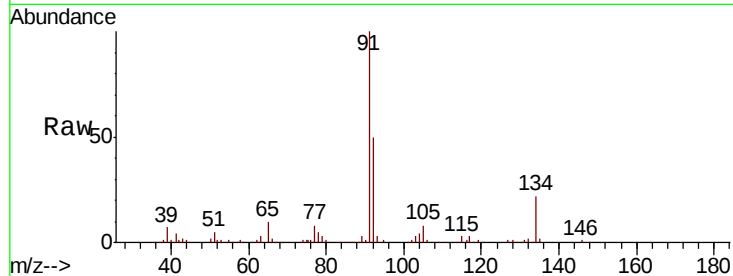




#70
n-Butylbenzene
Concen: 0.295 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

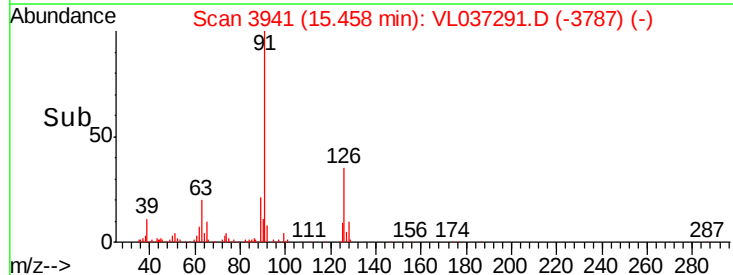
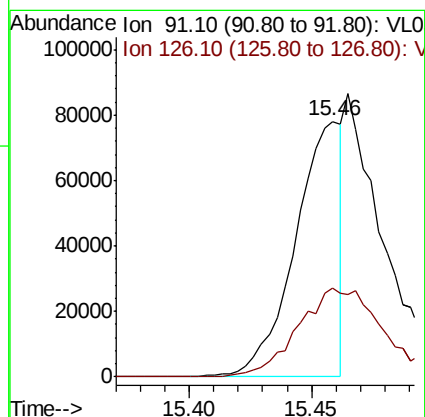
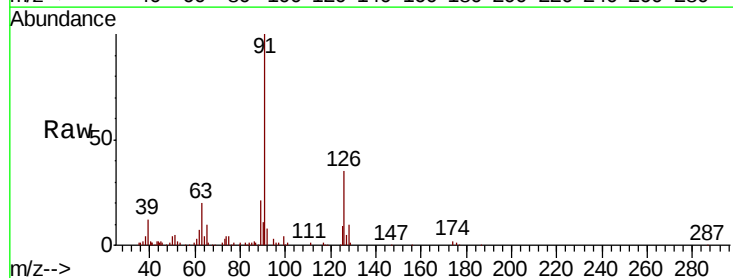
Instrument :
MSVOA_L
ClientSampled :

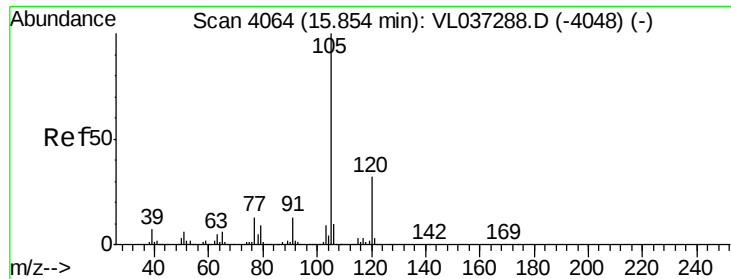
Tot Ion: 91 Resp: 151859
Ion Ratio Lower Upper
91 100
92 96.1 43.6 65.4#
134 43.8 20.3 30.5#



#71
2-Chlorotoluene
Concen: 0.266 ppbv
RT: 15.46 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion: 91 Resp: 102832
Ion Ratio Lower Upper
91 100
126 67.4 13.8 55.2#





#72

4-Ethyltoluene

Concen: 0.507 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL037291.D

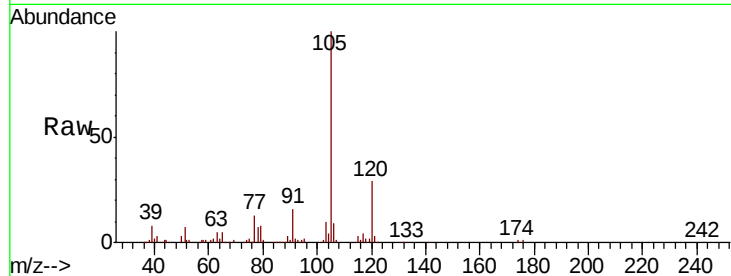
Acq: 30 Jul 2021 19:14

Instrument :

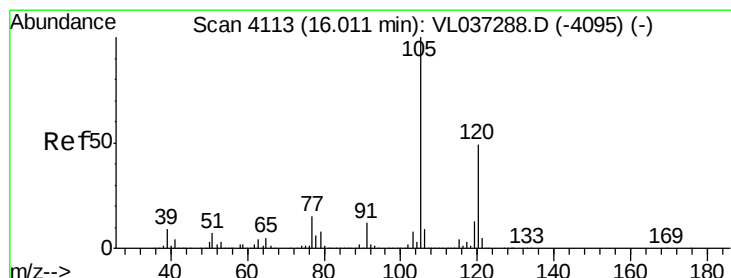
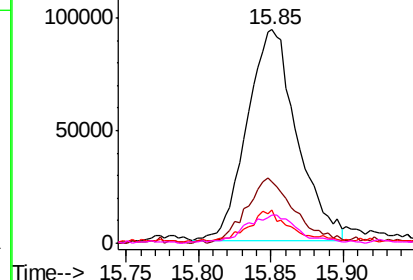
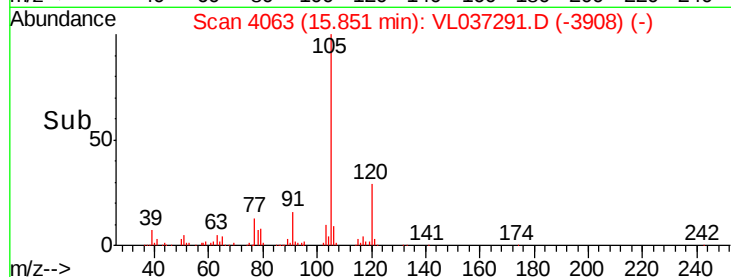
MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	225700
Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.3	36.5
91	13.5	9.6	14.4
77	13.4	10.3	15.5



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.504 ppbv

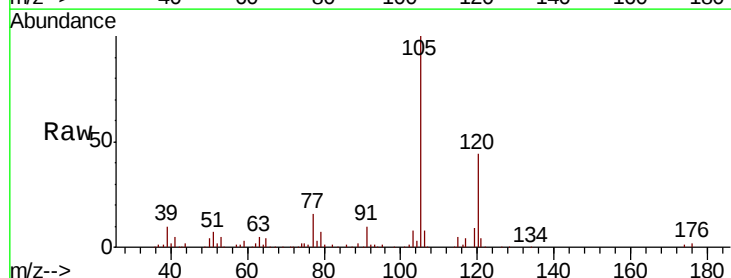
RT: 16.01 min Scan# 4111

Delta R.T. -0.01 min

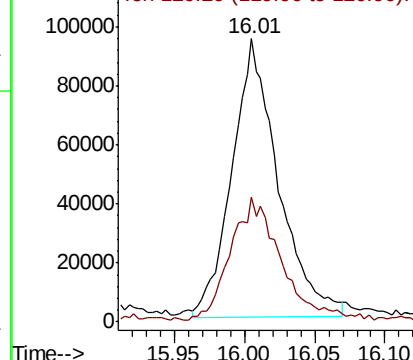
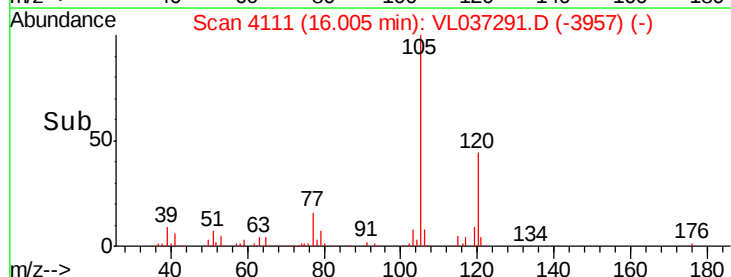
Lab File: VL037291.D

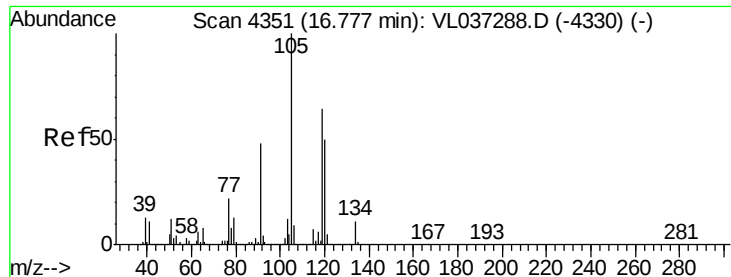
Acq: 30 Jul 2021 19:14

Tgt Ion:	105	Resp:	215897
Ion	Ratio	Lower	Upper
105	100		
120	43.4	39.0	58.6



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.561 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL037291.D

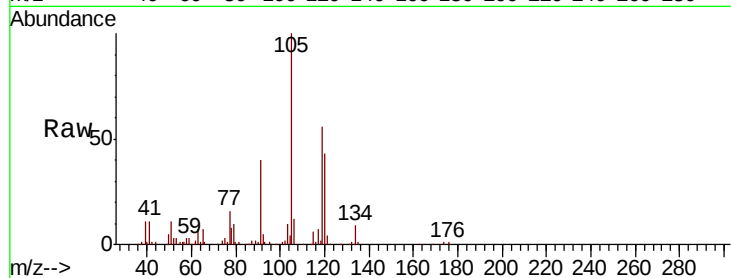
Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	247340
Ion	Ratio	Lower	Upper
105	100		
120	42.4	40.2	60.4
91	36.7	39.0	58.6#
77	14.4	17.4	26.0#



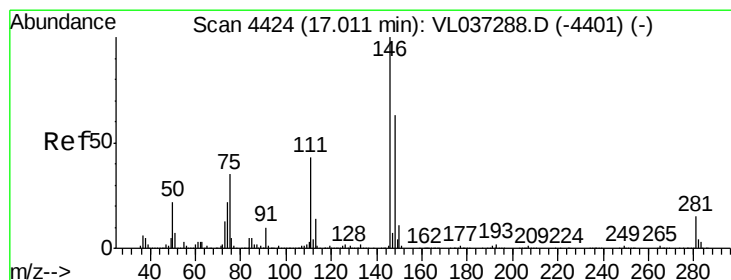
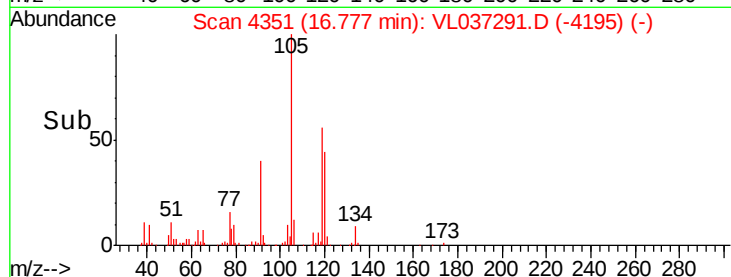
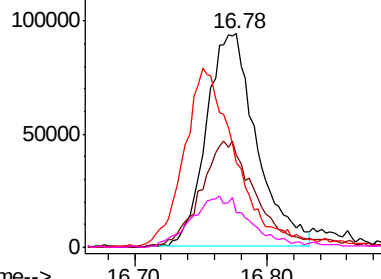
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.527 ppbv

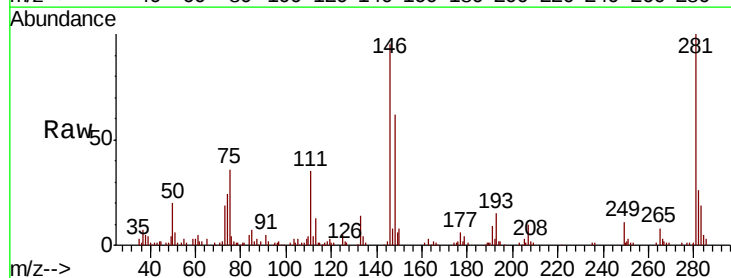
RT: 17.00 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Tgt Ion:	146	Resp:	142554
Ion	Ratio	Lower	Upper
146	100		
111	48.5	21.7	65.1
148	70.7	32.3	96.9

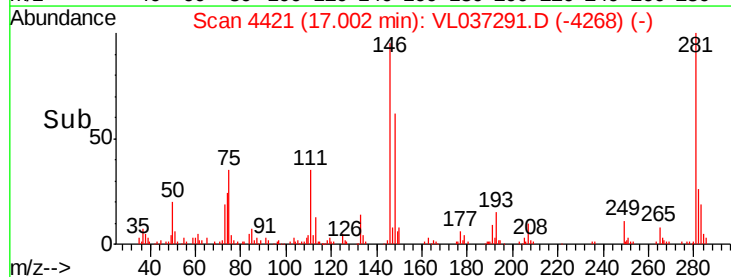
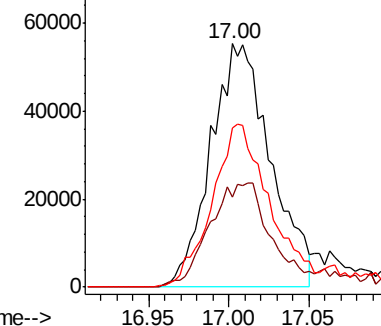


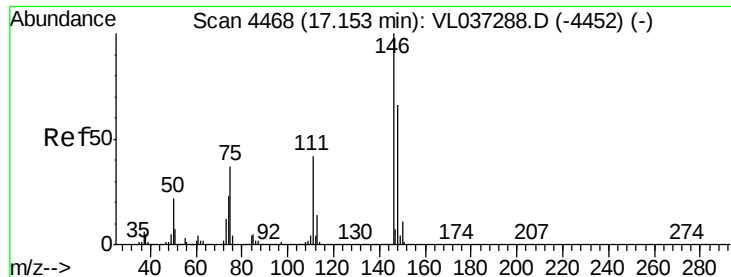
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

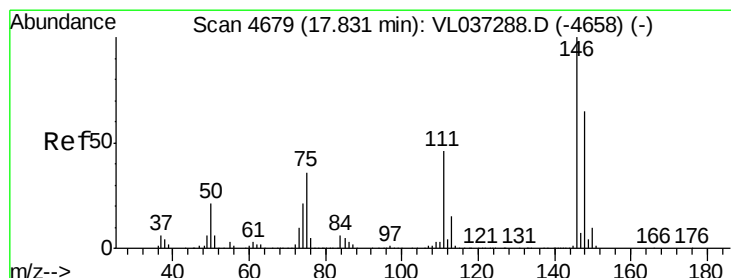
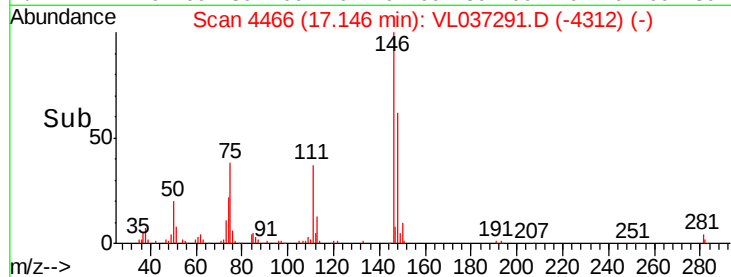
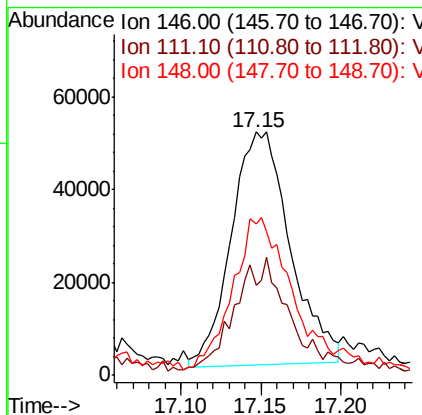
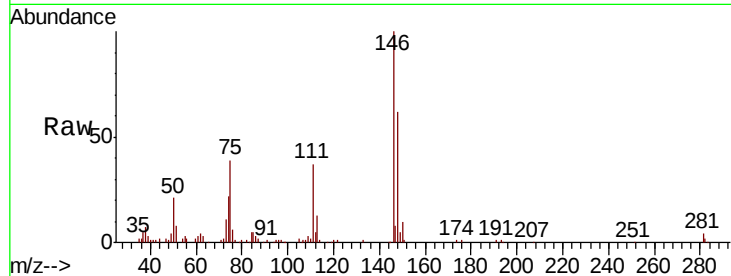




#76
 1,4-Dichlorobenzene
 Concen: 0.467 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

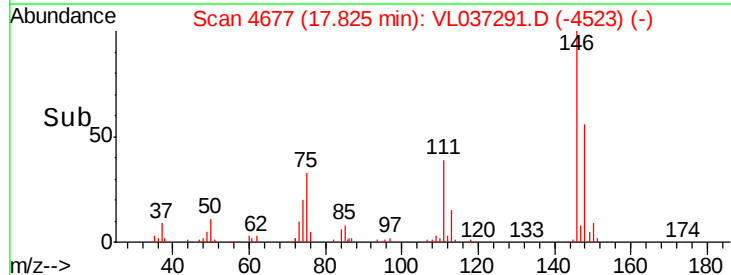
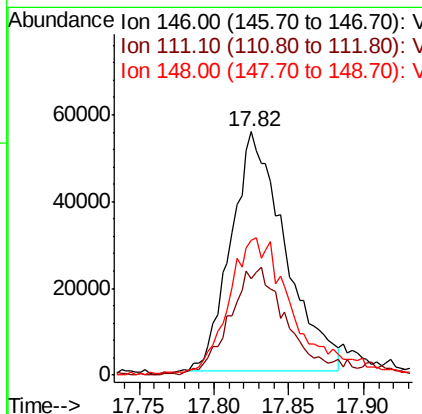
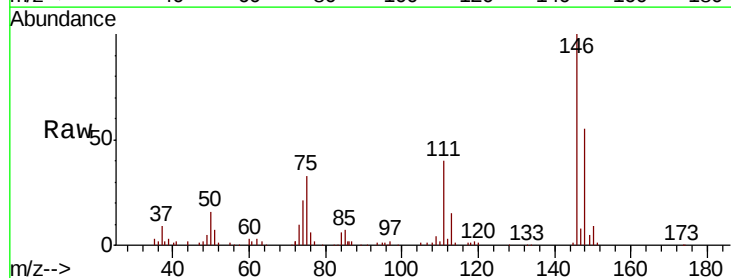
Instrument :
 MSVOA_L
 ClientSampleId :

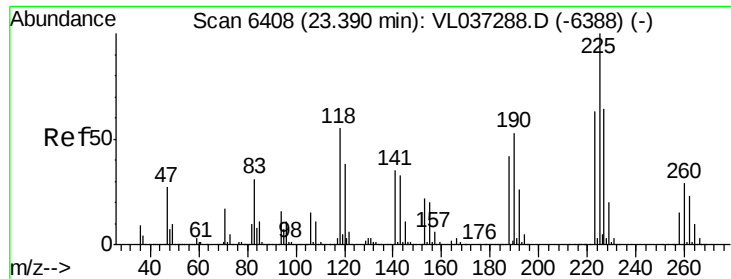
Tot Ion:146 Resp: 126999
 Ion Ratio Lower Upper
 146 100
 111 51.6 21.2 63.6
 148 76.1 32.9 98.6



#77
 1,2-Dichlorobenzene
 Concen: 0.530 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.01 min
 Lab File: VL037291.D
 Acq: 30 Jul 2021 19:14

Tgt Ion:146 Resp: 139034
 Ion Ratio Lower Upper
 146 100
 111 48.6 22.6 67.7
 148 69.4 32.5 97.4





#78

Hexachloro-1,3-Butadiene

Concen: 0.309 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

Instrument :

MSVOA_L

ClientSampleId :

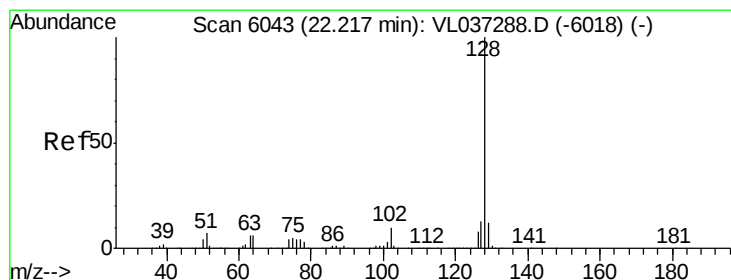
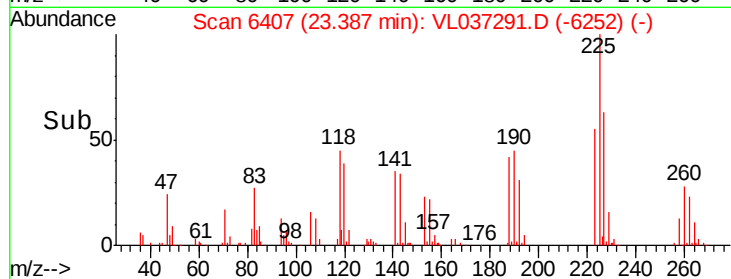
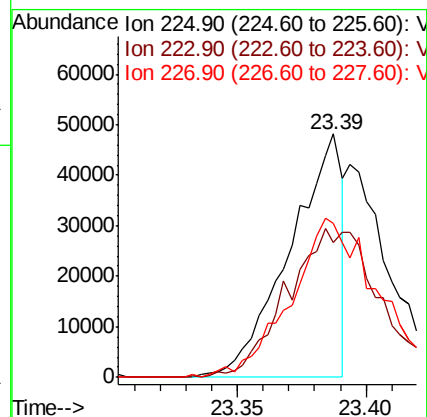
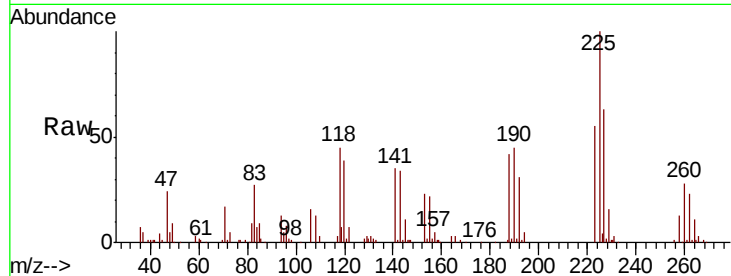
Tot Ion:225 Resp: 68045

Ion Ratio Lower Upper

225 100

223 112.9 51.7 77.5#

227 114.4 51.8 77.8#



#79

Naphthalene

Concen: 0.441 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL037291.D

Acq: 30 Jul 2021 19:14

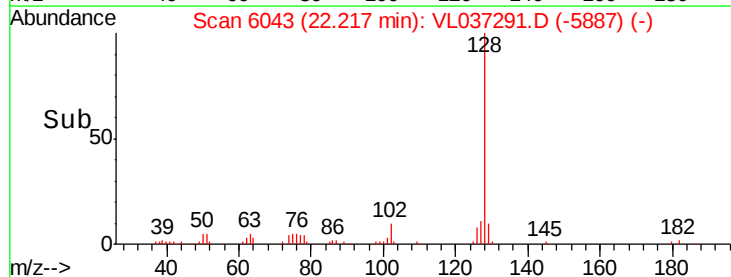
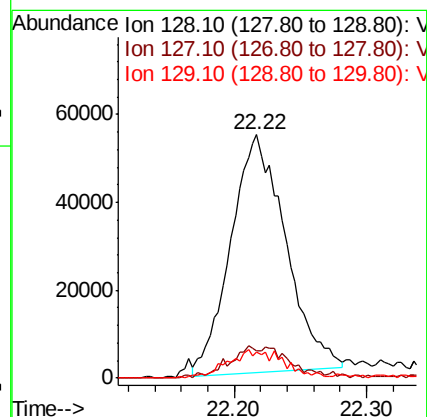
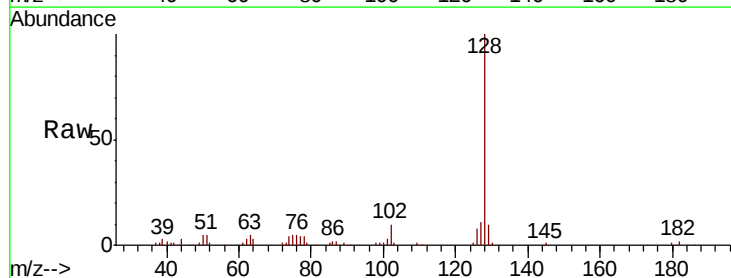
Tgt Ion:128 Resp: 156700

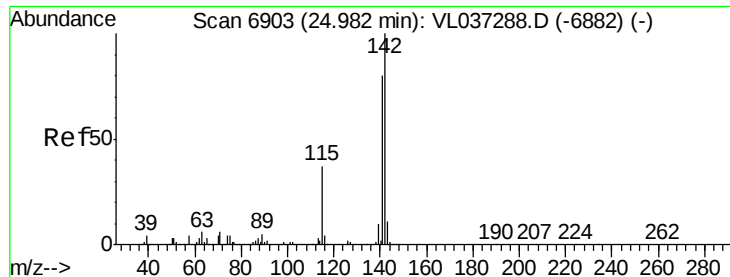
Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

129 9.9 9.4 14.2

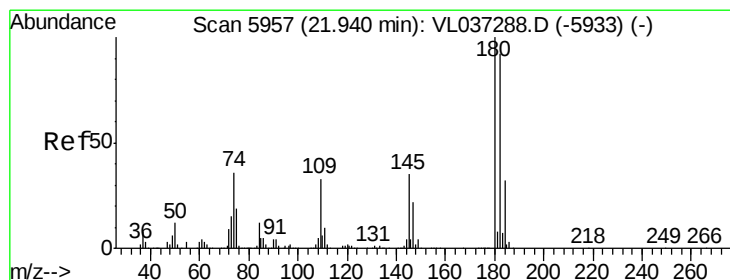
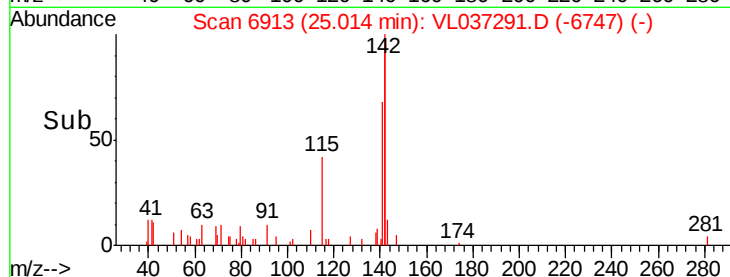
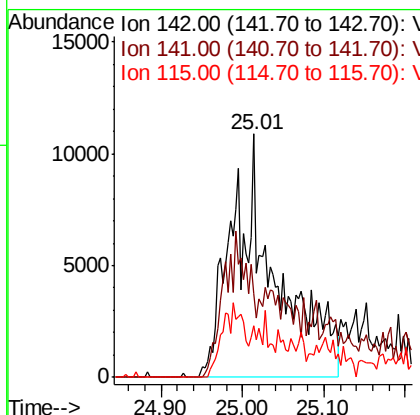
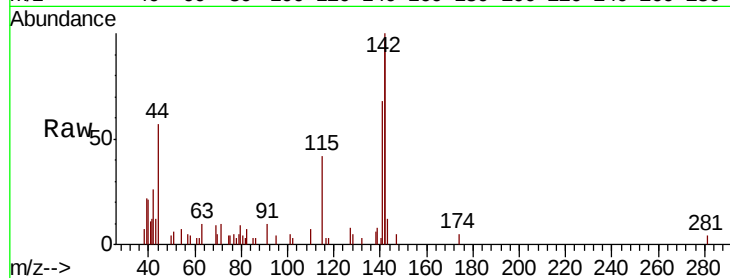




#80
Naphthalene, 2-methyl-
Concen: 0.439 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.03 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:142 Resp: 40697
Ion Ratio Lower Upper
142 100
141 63.9 67.0 100.6#
115 23.4 28.6 42.8#



#81
1,2,4-Trichlorobenzene
Concen: 0.339 ppbv
RT: 21.94 min Scan# 5958
Delta R.T. 0.00 min
Lab File: VL037291.D
Acq: 30 Jul 2021 19:14

Tgt Ion:180 Resp: 70580
Ion Ratio Lower Upper
180 100
182 0.0 80.8 121.2#
184 51.0 25.4 38.2#

